

Product Information 1/2022

- Residual current circuit-breakers
- RCCBs with overcurrent protection
- Circuit-Breakers with residual current trip
- Modular residual current devices
- Residual current monitors
- Miniature circuit-breakers
- Load disconnectors, installation relays, pulse relays
- Twilight-, float- and pressure switches

Product Information 1/2022

Contents

Category	Contents	Page
	» Your contact partners here at Doepke	6
	» Comparison of AC-DC sensitive residual current circuit-breakers	8
	» Informations concerning fire protection/HD series/Neutral on right	8
	» Guidelines for the selection of residual current circuit-breakers	9
Residual current circuit-breakers (RCCB)	» Typ A	10
	» Typ A S	12
	» Typ A KV	14
	» Typ A EV	14
	» Typ A EV OCP	14
	» Typ A FT	17
	» Typ A W	18
	» Typ A V	19
	» Typ A Twin	20
	» Typ A KV Twin	21
	» Typ A S Twin	21
	» Typ A NA	22
	» Typ A ST/STR	22
	» Typ AC	24
	» Typ AC S	26
	» Typ AC FT	27
	» Typ AC Hz	28
	» Typ AC W	29
	» Typ F	30
	» Typ F EV	31
	» Typ F EV HD	32
	» Typ F Audio	32
	» Typ B ISO HD	32
	» Typ B SK	33
	» Typ B SK MI	35
	» Typ B SK S	35
	» Typ B SK S V	36
	» Typ B SK V	37
	» Typ B SK NA	38
	» Typ B+	38
	» Typ B+ MI	40
	» Typ B NK	40
	» Typ B NK HD	42
	» Typ B NK S	42
	» Typ B NK V	43
	» Accessories	43, 44
Portable residual current devices DPRCD-M	» Typ B	44
Distributors	» mobile distributors	44
Moulded case circuit-breakers (MCCB)	» Typ A	44
Modular residual current protective devices (MRCD)	» Typ A	46
RCCBs with overcurrent protection (RCBO)	» Typ A	47
	» Typ A KV	47
	» Typ F	48
	» Typ B SK	49
	» Typ B NK	51
	» Typ B+	53

Category	Contents	Page
Circuit-Breakers with residual current device (CBR)	» Typ A  sensitive to pulsating currents	57
	» Typ B SK  AC-DC sensitive	57
	» Typ B NK  AC-DC sensitive	58
Residual current monitors (RCM)	» Typ A  sensitive to pulsating currents	59
Residual current transformers (DCT)	» Typ A  sensitive to pulsating currents	60
Miniature circuit-breakers (MCB)	» DLS 6 h  for commercial sector applications, 6 kA	60
	» DLS 6 hdc  for DC circuits, 6 kA	63
	» DLS 6 hsl  for commercial sector applications, screwless, 6 kA	64
	» DLS 6 i  for industrial use, 10 kA	65
	» DLS 8  certified according to UL 508	89
	» DLS 9 AC  certified according to UL 489, AC	94
	» DLS 9 DC  certified according to UL 489, DC	98
	» DMCB 2  for industrial facilities, up to 25 kA	99
	» ELS  compact design	100
	» Accessories	100/101
Automatic reclosing devices (ARD)	» DFA remote actuators	101
Wiring components	» RCCB/MCB busbars	103
	» RCCB/MCB busbars cut-to-length	104
	» Adapter rails	104
	» DIN interconnecting rails	104
	» Do busbars	105
	» Accessories	105, 106
Master disconnectors	» Do master disconnector Tytan	106
	» Do master disconnector Coron 2	107
	» Accessories	110/111/112
Switches and buttons	» Load disconnectors	107
	» Pulse relays (remote switches)	109
	» Group switches	109
	» Control buttons, control buttons with LED	110
	» Accessories	110/111/112
Relays	» Installation relays, Time relays, Stairway time switches	113
Time switches	» Electro-mechanical time switches	113
	» Electronic time switches	113
Contactors	» Installation contactors	114
Monitoring devices	» Undervoltage measuring relays	116
	» Load shedding relays	116
	» Mains field relays	116
Physical control units	» Twilight switches	116
	» Pressure switches	117
	» Float switches	118
Indicating, signalling and measuring devices	» Residual current analysis systems	119
	» Indicator lamps	119
Others	» Flush-mounted sockets	119
Building management technology	» Cross-system components	120
Appendix	» General conditions	121
	» Index of article numbers	126
	» Index of products	133
	» Notes	134

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Comparison of AC-DC sensitive residual current circuit-breakers

Many standards, regulations and directives demand the provision of a Type B AC-DC sensitive residual current circuit-breaker (RCCB). Wherever three-phase electronic equipment is connected to mains without electrical isolation, AC-DC sensitive residual current circuit-breakers must be employed. There are, however, also cases in the 230 V mains net where they are applicable, e. g. photovoltaic (solar energy) installations with inverters lacking a transformer.

Pumping stations, air conditioning and ventilation facilities, escalators, welding equipment, medical/technical equipment, UPS and photovoltaic installations, agricultural and work premises with potential fire hazard, lecture rooms with experimentation facilities, exhibitors' mobile shops are a few examples where - because mainly pulsed equipment is employed for the power control in such installations (e.g. frequency converters) - the use of residual current circuit-breakers is imperative. To select the correct RCCB for each individual application, we offer you three different tripping characteristics within the area of AC-DC sensitive RCCBs.

Standards and directives for employing Type B residual current circuit-breakers

VDE 0100-530: Erection of low voltage installations: selection and installation of electrical equipment, switch and control devices

VDE 0100-420: Low voltage electrical installations: protection for safety - protection against thermal effects

VDE 0100-704: Requirements for work premises, rooms and special types of installations – construction sites

VDE 0100-712: Requirements for work premises, rooms and special types of installations; solar energy, photovoltaic power supply systems (new)

VDE 0100-723: Requirements for work premises, rooms and special types of installations: lecture rooms with experimentation facilities

DGUV-Information 203-006 (BGI 608):

Selection and operation of electrical installations and equipment on construction sites

VdS 3501: Isolation protection in electrical installations with electronic equipment – RCD and frequency converters

VdS 3145: Photovoltaic installations – Technical Guidelines

SK

Model range SK

In many electrical installations, such as in construction site power distributors, fire protection plays a secondary role. Here it is often the case that only fault protection and high availability of plant are demanded. Due to the lower response sensitivity at higher frequencies, there are few equipment-related unwanted tripping incidents. The devices in the SK model range conform to the Standard E DIN VDE 0664-100.

Protection for installations for which fire protection is not mandatory.

B+

Model range B+

The B+ model range is based on the new VDE 0664-400 Standard. Compared to residual current circuit-breakers of the SK model range, these devices will trip when residual currents up to 20 kHz occur within an upper response limit of 420 mA. Thus, they offer a fire protection up to 20 kHz.

Fire protection for installations up to max. 20 kHz.

NK

Model range NK

The NK model range guarantees classic fire protection from 300 mA at frequencies up to 100 kHz and thereby substantially exceeds the requirements of the new Standard for Type B+ residual current circuit-breakers (RCCBs). It is thus the optimum protection for installations with residual currents at high frequencies. These devices comply with DIN VDE 0664-400, E DIN VDE 0664-100 and IEC 62423 Ed. 2.

The most reliable fire protection with high frequencies. Ideal for work premises subject to fire hazard.

Informations concerning fire protection

In contrast to the Standard E DIN VDE 0664-100, in which tripping thresholds for residual currents up to max. 2 kHz are defined, the Standard VDE 0664-400 specifies an upper limit of 420 mA for the tripping thresholds of residual currents up to max. 20 kHz.

With this the Standard also satisfies the requirements of insurers (see also VdS 3501) in order to comply in most cases with a defined fire protection in respect of installations with electronic equipment such as e. g. frequency converters. RCCBs suitable for this purpose are with rated residual operating currents up to and including 300 mA.

Increasingly, electronic equipment is being employed which, in the event of a fault, could also generate residual currents with frequencies above 20 kHz, which latter are not taken into consideration in the new standard.

In addition, the harmonics of switching frequencies < 20 kHz are not completely covered. Yet in the meantime switching frequencies up to 50 kHz are being reached. If residual currents > 20 kHz are technically possible then, according to the VdS regulations, residual current circuit-breakers that also cover these higher frequencies have to be used – such as the devices in the NK range:

Our AC-DC sensitive residual current circuit-breakers in the NK model range, which have been in production since 2004, meet and substantially exceed the requirements of the DIN VDE 0664-400 for Type B+ RCCBs.

For example, the devices of the DFS 4 B NK range detect residual currents up to 150 kHz at an upper tripping limit of max. 300 mA across the whole tripping frequency range and thus fulfil the „classic fire protection“ role and even provide protection far above and beyond this.

HD series

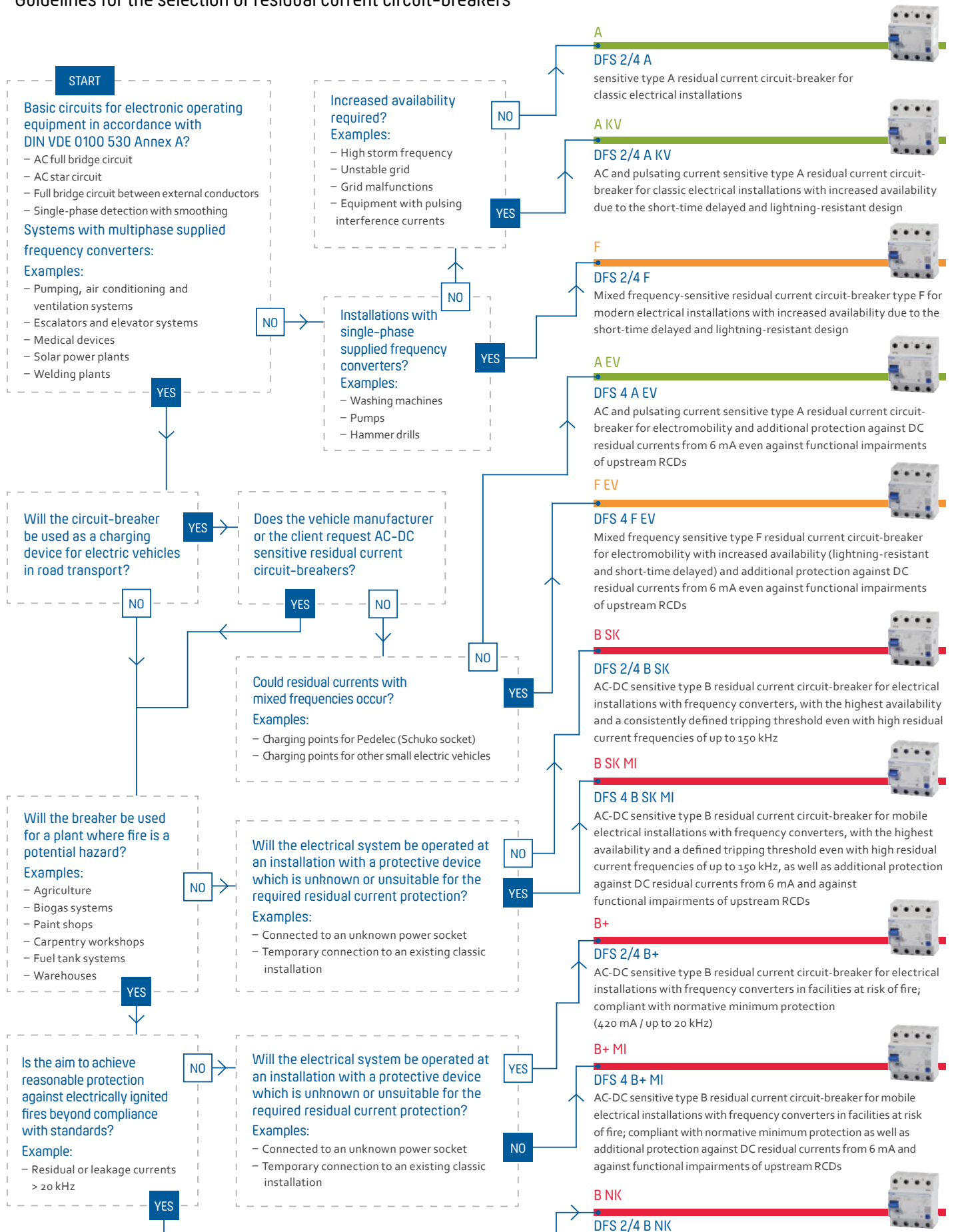
All DFS devices are available as HD (Heavy Duty) version. Thanks to their design these circuit-breakers are already specially protected against corrosion. HD devices are extremely resistant to temperature fluctuations and other adverse environmental conditions like noxious gases.

Neutral on right

In addition to the HD variant, all devices of the DFS 4 series are available with neutral terminal on the right. This matches the devices of Type A and F from 16 A to 125 A and devices of Type B/B+ from 16 A to 80 A.

Ordering: For HD devices, add the suffix „HD“ to the usual ordering number. For neutral on right, add the suffix „R“.

Guidelines for the selection of residual current circuit-breakers



Note:

The rated residual current has not been included in this diagram – it must be selected in accordance with the intended type of protection. Almost all devices are also available for harsh environments in HD design and with the neutral conductor connection positioned on the right.

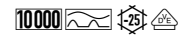
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current circuit-breaker DFS 2 A, 2-pole



sensitive to pulsating and alternating currents Type A

16 A

DFS 2 016-2/0,01-A	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09112 601	069237
DFS 2 016-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09114 601	069244
DFS 2 016-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09115 601	069251
DFS 2 016-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09116 601	069268
DFS 2 016-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09117 601	069275

25 A

DFS 2 025-2/0,01-A	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09122 601	069282
DFS 2 025-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09124 601	069299
DFS 2 025-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09125 601	069305
DFS 2 025-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09126 601	069312
DFS 2 025-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09127 601	069329

40 A

DFS 2 040-2/0,01-A	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09132 601	069336
DFS 2 040-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09134 601	069343
DFS 2 040-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09135 601	069350
DFS 2 040-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09136 601	069367
DFS 2 040-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09137 601	069374

63 A

DFS 2 063-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09144 601	069381
DFS 2 063-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09145 601	069398
DFS 2 063-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09146 601	069404
DFS 2 063-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09147 601	069411

80 A

DFS 2 080-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09154 601	069428
DFS 2 080-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09155 601	069435
DFS 2 080-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09156 601	069442
DFS 2 080-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09157 601	069459

100 A

DFS 2 100-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09164 601	069466
DFS 2 100-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09165 601	069473
DFS 2 100-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09166 601	069480
DFS 2 100-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09167 601	069497

125 A

DFS 2 125-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09174 601	086746
DFS 2 125-2/0,10-A	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09175 601	086784
DFS 2 125-2/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09176 601	086821
DFS 2 125-2/0,50-A	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09177 601	086869

Devices from 30 mA with VDE approval mark. All devices also available in HD design.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A, 4-pole

sensitive to pulsating and alternating currents Type A



10000 10000 10000 10000

16 A

DFS 4 016-4/0,01-A	$I\Delta n = 0.01 \text{ A}$	4	1/20	09112901	089921
DFS 4 016-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09114901	089945

25 A

DFS 4 025-4/0,01-A	$I\Delta n = 0.01 \text{ A}$	4	1/20	09122901	089969
DFS 4 025-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09124901	089983
DFS 4 025-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09125901	090002
DFS 4 025-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09126901	199415
DFS 4 025-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09127901	090040

40 A

DFS 4 040-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09134901	090064
DFS 4 040-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09135901	090101
DFS 4 040-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09136901	091221
DFS 4 040-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09137901	090125

63 A

DFS 4 063-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09144901	090149
DFS 4 063-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09145901	090163
DFS 4 063-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09146901	090187
DFS 4 063-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09147901	090200

80 A

DFS 4 080-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09154901	091238
DFS 4 080-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09155901	090262
DFS 4 080-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09156901	090248
DFS 4 080-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09157901	090286

100 A

DFS 4 100-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09164901	090309
DFS 4 100-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09165901	090323
DFS 4 100-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09166901	090347
DFS 4 100-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09167901	090361

125 A

DFS 4 125-4/0,03-A	$I\Delta n = 0.03 \text{ A}$	4	1/20	09174901	090385
DFS 4 125-4/0,10-A	$I\Delta n = 0.1 \text{ A}$	4	1/20	09175901	090408
DFS 4 125-4/0,30-A	$I\Delta n = 0.3 \text{ A}$	4	1/20	09176901	090422
DFS 4 125-4/0,50-A	$I\Delta n = 0.5 \text{ A}$	4	1/20	09177901	090446

Devices from 30 mA with VDE approval mark. All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current circuit-breaker DFS 2 A S, 2-pole

sensitive to pulsating and alternating currents Type A, selective



40 A

DFS 2 040-2/0,10-A S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09135 605	131057
DFS 2 040-2/0,30-A S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09136 605	131071
DFS 2 040-2/0,50-A S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09137 605	131095

63 A

DFS 2 063-2/0,10-A S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09145 605	116306
DFS 2 063-2/0,30-A S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09146 605	116269
DFS 2 063-2/0,50-A S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09147 605	116283

80 A

DFS 2 080-2/0,10-A S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09155 605	131170
DFS 2 080-2/0,30-A S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09156 605	131194
DFS 2 080-2/0,50-A S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09157 605	131217

100 A

DFS 2 100-2/0,10-A S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09165 605	131231
DFS 2 100-2/0,30-A S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09166 605	135048
DFS 2 100-2/0,50-A S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09167 605	131279

125 A

DFS 2 125-2/0,10-A S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09175 605	131293
DFS 2 125-2/0,30-A S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09176 605	132771
DFS 2 125-2/0,50-A S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09177 605	131330

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A S, 4-pole



sensitive to pulsating and alternating currents Type A, selective



40 A

DFS 4 040-4/0,10-A S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135905	131651
DFS 4 040-4/0,30-A S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136905	091184
DFS 4 040-4/0,50-A S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137905	091207
DFS 4 040-4/1,00-A S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09138905	157675

63 A

DFS 4 063-4/0,10-A S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145905	131675
DFS 4 063-4/0,30-A S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146905	091269
DFS 4 063-4/0,50-A S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147905	091283
DFS 4 063-4/1,00-A S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09148905	157699

80 A

DFS 4 080-4/0,10-A S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155905	131699
DFS 4 080-4/0,30-A S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156905	091344
DFS 4 080-4/0,50-A S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157905	091368
DFS 4 080-4/1,00-A S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09158905	091009

100 A

DFS 4 100-4/0,10-A S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165905	131712
DFS 4 100-4/0,30-A S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166905	091429
DFS 4 100-4/0,50-A S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167905	091443
DFS 4 100-4/1,00-A S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09168905	091405

125 A

DFS 4 125-4/0,10-A S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175905	131736
DFS 4 125-4/0,30-A S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176905	091504
DFS 4 125-4/0,50-A S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177905	091528
DFS 4 125-4/1,00-A S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09178905	091467

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

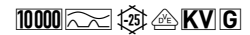
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current circuit-breaker DFS 2 A KV, 2-pole



sensitive to pulsating and alternating currents Type A, short-time delayed, lightning resistant

16 A

DFS 2 016-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09114 609	109568
DFS 2 016-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09115 609	122659
DFS 2 016-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09116 609	109582
DFS 2 016-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09117 609	122673

25 A

DFS 2 025-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09124 609	107670
DFS 2 025-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09125 609	118980
DFS 2 025-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09126 609	109612
DFS 2 025-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09127 609	122697

40 A

DFS 2 040-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09134 609	109636
DFS 2 040-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09135 609	122710
DFS 2 040-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09136 609	109650
DFS 2 040-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09137 609	122734

63 A

DFS 2 063-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09144 609	109674
DFS 2 063-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09145 609	122758
DFS 2 063-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09146 609	109698
DFS 2 063-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09147 609	122772

80 A

DFS 2 080-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09154 609	109711
DFS 2 080-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09155 609	122796
DFS 2 080-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09156 609	109735
DFS 2 080-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09157 609	122819

100 A

DFS 2 100-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09164 609	109759
DFS 2 100-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09165 609	122833
DFS 2 100-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09166 609	109773
DFS 2 100-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09167 609	122857

125 A

DFS 2 125-2/0,03-A KV	I Δ n = 0.03 A	2	1/40	09174 609	109797
DFS 2 125-2/0,10-A KV	I Δ n = 0.1 A	2	1/40	09175 609	122871
DFS 2 125-2/0,30-A KV	I Δ n = 0.3 A	2	1/40	09176 609	109810
DFS 2 125-2/0,50-A KV	I Δ n = 0.5 A	2	1/40	09177 609	122895

Increased surge current strength up to 3 kA, non-response lag time 10 ms.

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A KV, 4-pole

10000     KV G

sensitive to pulsating and alternating currents Type A, short-time delayed, lightning resistant

16 A

DFS 4 016-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09114909	100619
DFS 4 016-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09115909	122536
DFS 4 016-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09116909	122550
DFS 4 016-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09117909	122574

25 A

DFS 4 025-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124909	100657
DFS 4 025-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09125909	100671
DFS 4 025-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09126909	100695
DFS 4 025-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09127909	100718

40 A

DFS 4 040-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134909	100732
DFS 4 040-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135909	100756
DFS 4 040-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136909	100770
DFS 4 040-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137909	100794

63 A

DFS 4 063-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144909	100817
DFS 4 063-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145909	100831
DFS 4 063-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146909	100855
DFS 4 063-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147909	100879

80 A

DFS 4 080-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09154909	100893
DFS 4 080-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155909	100916
DFS 4 080-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156909	100930
DFS 4 080-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157909	100954

100 A

DFS 4 100-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164909	100978
DFS 4 100-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165909	100992
DFS 4 100-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166909	101012
DFS 4 100-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167909	101036

125 A

DFS 4 125-4/0,03-A KV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09174909	101050
DFS 4 125-4/0,10-A KV	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175909	101074
DFS 4 125-4/0,30-A KV	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176909	101098
DFS 4 125-4/0,50-A KV	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177909	101111

Increased surge current strength up to 3 kA, non-response lag time 10 ms.

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type A

residual current circuit-breaker DFS 4 A EV, 2-pole

10000    

sensitive to pulsating and alternating currents Type A, with DC tripping threshold 6 mA, for electromobility

25 A

DFS 4 025-2/0,03-A EV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124018	215979
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40 A

DFS 4 040-2/0,03-A EV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134018	220096
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All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A EV, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, with DC tripping threshold 6 mA, for electromobility

40 A

DFS 4 040-4/0,03-A EV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134 818	215955
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63 A

DFS 4 063-4/0,03-A EV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144 818	220119
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80 A

DFS 4 080-4/0,03-A EV	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09154 818	240803
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All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)



Type A

residual current circuit-breaker DFS 4 A EV NA, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, with DC tripping threshold 6 mA, for electromobility, Emergency shut-off function

40 A

DFS 4 040-4/0,03-A EV NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09134 850	270343
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63 A

DFS 4 063-4/0,03-A EV NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09144 850	270367
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All devices also available in HD design and with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: [44](#)



Type A

residual current circuit-breaker DFS 4 A EV NA HD, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, with DC tripping threshold 6 mA, for electromobility, Emergency shut-off function, for harsh environments

40 A

DFS 4 040-4/0,03-A EV NA HD	$I_{\Delta n} = 0.03 \text{ A}$	NEW	4.5	1/6	09134 850HD	278141
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63 A

DFS 4 063-4/0,03-A EV NA HD	$I_{\Delta n} = 0.03 \text{ A}$	NEW	4.5	1/6	09144 850HD	278172
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All devices also available with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: [44](#)



Type A

residual current circuit-breaker DFS 6 A EV OCP HD, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, for electromobility with DC detection, Overcurrent release, for harsh environments

32 A

DFS 6 032-4/0,03-A EV OCP HD	$I_{\Delta n} = 0.03 \text{ A}$	NEW	6	1	09134 803HD	263468
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residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 2 A FT, 2-pole



sensitive to pulsating and alternating currents Type A, with remote-tripping function

16 A

DFS 2 016-2/0,01-A FT	$I_{\Delta n} = 0.01 \text{ A}$	2.5	1/20	09112621	146037
DFS 2 016-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09114621	146051
DFS 2 016-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09115621	146075
DFS 2 016-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09116621	146099
DFS 2 016-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09117621	146112

25 A

DFS 2 025-2/0,01-A FT	$I_{\Delta n} = 0.01 \text{ A}$	2.5	1/20	09122621	121539
DFS 2 025-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09124621	146136
DFS 2 025-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09125621	146150
DFS 2 025-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09126621	146174
DFS 2 025-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09127621	146198

40 A

DFS 2 040-2/0,01-A FT	$I_{\Delta n} = 0.01 \text{ A}$	2.5	1/20	09132621	146211
DFS 2 040-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09134621	121584
DFS 2 040-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09135621	146235
DFS 2 040-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09136621	146259
DFS 2 040-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09137621	146273

63 A

DFS 2 063-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09144621	146297
DFS 2 063-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09145621	146310
DFS 2 063-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09146621	146334
DFS 2 063-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09147621	146358

80 A

DFS 2 080-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09154621	146372
DFS 2 080-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09155621	146396
DFS 2 080-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09156621	146419
DFS 2 080-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09157621	146433

100 A

DFS 2 100-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09164621	146457
DFS 2 100-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09165621	146471
DFS 2 100-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09166621	146495
DFS 2 100-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09167621	146518

125 A

DFS 2 125-2/0,03-A FT	$I_{\Delta n} = 0.03 \text{ A}$	2.5	1/20	09174621	146532
DFS 2 125-2/0,10-A FT	$I_{\Delta n} = 0.1 \text{ A}$	2.5	1/20	09175621	146556
DFS 2 125-2/0,30-A FT	$I_{\Delta n} = 0.3 \text{ A}$	2.5	1/20	09176621	146570
DFS 2 125-2/0,50-A FT	$I_{\Delta n} = 0.5 \text{ A}$	2.5	1/20	09177621	146594

In the FT design, the connections of the internal test key are additionally wired to two terminals. This allows the option of activating the circuit-breaker test device using external switching contacts.

All devices also available in HD design.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

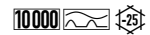
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current circuit-breaker DFS 4 A FT, 4-pole



sensitive to pulsating and alternating currents Type A, with remote-tripping function

16 A

DFS 4 016-4/0,01-A FT	I Δ n = 0.01 A	4.5	1/10	09112921	146617
DFS 4 016-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09114921	146631

25 A

DFS 4 025-4/0,01-A FT	I Δ n = 0.01 A	4.5	1/10	09122921	146655
DFS 4 025-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09124921	134867
DFS 4 025-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/20	09125921	146679
DFS 4 025-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09126921	146693
DFS 4 025-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09127921	146716

40 A

DFS 4 040-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09134921	121638
DFS 4 040-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/10	09135921	146730
DFS 4 040-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09136921	146754
DFS 4 040-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09137921	146778

63 A

DFS 4 063-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09144921	118973
DFS 4 063-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/10	09145921	146808
DFS 4 063-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09146921	146822
DFS 4 063-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09147921	146846

80 A

DFS 4 080-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09154921	106888
DFS 4 080-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/10	09155921	146877
DFS 4 080-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09156921	146891
DFS 4 080-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09157921	146914

100 A

DFS 4 100-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09164921	146938
DFS 4 100-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/10	09165921	146952
DFS 4 100-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09166921	146976
DFS 4 100-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09167921	146990

125 A

DFS 4 125-4/0,03-A FT	I Δ n = 0.03 A	4.5	1/10	09174921	147010
DFS 4 125-4/0,10-A FT	I Δ n = 0.1 A	4.5	1/10	09175921	147034
DFS 4 125-4/0,30-A FT	I Δ n = 0.3 A	4.5	1/10	09176921	147058
DFS 4 125-4/0,50-A FT	I Δ n = 0.5 A	4.5	1/10	09177921	147072

All devices also available in HD design and with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A



residual current circuit-breaker DFS 4 A W, 2 and 3-pole



sensitive to pulsating and alternating currents Type A, 16 2/3 Hz or 16 2/3 Hz - 60 Hz

40 A

DFS 4W 040-2/0,50-A	I Δ n = 0.5 A	4	1/20	09137961	135482
DFS 4W 040-3/0,50-A	I Δ n = 0.5 A	4	1/20	09137963	135505

63 A

DFS 4W 063-2/0,50-A	I Δ n = 0.5 A	4	1/20	09147961	135543
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All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A V, 4-pole



sensitive to pulsating and alternating currents Type A, for special voltages 500 V



16 A

DFS 4 016-4/0,01-A V500	$I_{\Delta n} = 0.01 \text{ A}$	4	1/20	09112945	147096
DFS 4 016-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09114945	147119

25 A

DFS 4 025-4/0,01-A V500	$I_{\Delta n} = 0.01 \text{ A}$	4	1/20	09122945	147133
DFS 4 025-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124945	143555
DFS 4 025-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09125945	147171
DFS 4 025-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09126945	145702
DFS 4 025-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09127945	145696

40 A

DFS 4 040-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134945	137912
DFS 4 040-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135945	145795
DFS 4 040-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136945	144835
DFS 4 040-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137945	147232

63 A

DFS 4 063-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144945	136861
DFS 4 063-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145945	144897
DFS 4 063-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146945	138223
DFS 4 063-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147945	147256

80 A

DFS 4 080-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09154945	145429
DFS 4 080-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155945	147270
DFS 4 080-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156945	138193
DFS 4 080-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157945	145931

100 A

DFS 4 100-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164945	155510
DFS 4 100-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165945	155534
DFS 4 100-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166945	155558
DFS 4 100-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167945	155572

125 A

DFS 4 125-4/0,03-A V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09174945	154391
DFS 4 125-4/0,10-A V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175945	155596
DFS 4 125-4/0,30-A V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176945	155619
DFS 4 125-4/0,50-A V500	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177945	152427

All devices also available in HD design and with N right. Other special voltages on request.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

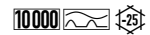
residual current circuit-breaker (RCCB)

mod. pack. article No. EAN
widths units (4014712...)

Type A



residual current circuit-breaker DFS 2 A Twin, 2-pole



sensitive to pulsating and alternating currents Type A, Twin-version

16 A

DFS 2 016-2/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09114 010	205710
DFS 2 016-2/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09116 010	205734

25 A

DFS 2 025-2/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09124 010	205642
DFS 2 025-2/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09126 010	205741

40 A

DFS 2 040-2/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09134 010	205659
DFS 2 040-2/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09136 010	205758

63 A

DFS 2 063-2/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09144 010	205666
DFS 2 063-2/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09146 010	205765

80 A

DFS 2 080-2/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09154 010	207431
DFS 2 080-2/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09156 010	207479

For function check without disconnecting power.

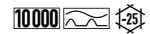
All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A



residual current circuit-breaker DFS 4 A Twin, 4-pole



sensitive to pulsating and alternating currents Type A, Twin-version

16 A

DFS 4 016-4/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09114 810	205819
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25 A

DFS 4 025-4/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09124 810	205826
DFS 4 025-4/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09126 810	205888

40 A

DFS 4 040-4/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09134 810	205833
DFS 4 040-4/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09136 810	205895

63 A

DFS 4 063-4/0,03-A Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09144 810	208179
DFS 4 063-4/0,30-A Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09146 810	208186

For function check without disconnecting power.

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

residual current circuit-breaker (RCCB)

mod. widths
pack. units

article No.

EAN
(4014712...)

Type A



residual current circuit-breaker DFS 2 A KV Twin, 2-pole

10000

sensitive to pulsating and alternating currents Type A, short-time delayed, lightning resistant

16 A

DFS 2 016-2/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09114 009	206526
DFS 2 016-2/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09116 009	206601

25 A

DFS 2 025-2/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09124 009	206540
DFS 2 025-2/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09126 009	206618

40 A

DFS 2 040-2/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09134 009	206564
DFS 2 040-2/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09136 009	206625

63 A

DFS 2 063-2/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09144 009	206588
DFS 2 063-2/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09146 009	206632

80 A

DFS 2 080-2/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	4	1/10	09154 009	208131
DFS 2 080-2/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1/10	09156 009	208148

For function check without disconnecting power.

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A



residual current circuit-breaker DFS 4 A KV Twin, 4-pole

10000

sensitive to pulsating and alternating currents Type A, short-time delayed, lightning resistant

16 A

DFS 4 016-4/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09114 809	206649
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25 A

DFS 4 025-4/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09124 809	206656
DFS 4 025-4/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09126 809	206687

40 A

DFS 4 040-4/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09134 809	206663
DFS 4 040-4/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09136 809	206694

63 A

DFS 4 063-4/0,03-A KV Twin	$I_{\Delta n} = 0.03 \text{ A}$	1		09144 809	208193
DFS 4 063-4/0,30-A KV Twin	$I_{\Delta n} = 0.3 \text{ A}$	1		09146 809	216709

For function check without disconnecting power.

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A



residual current circuit-breaker DFS 2 A S Twin, 2-pole

10000

sensitive to pulsating and alternating currents Type A, selective

40 A

DFS 2 040-2/0,30-A S Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1	09136 015	205956
DFS 2 040-2/0,50-A S Twin	$I_{\Delta n} = 0.5 \text{ A}$	4	1	09137 015	205994

63 A

DFS 2 063-2/0,30-A S Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1	09146 015	205963
DFS 2 063-2/0,50-A S Twin	$I_{\Delta n} = 0.5 \text{ A}$	4	1	09147 015	206007

80 A

DFS 2 080-2/0,30-A S Twin	$I_{\Delta n} = 0.3 \text{ A}$	4	1	09156 015	208155
DFS 2 080-2/0,50-A S Twin	$I_{\Delta n} = 0.5 \text{ A}$	4	1	09157 015	208162

For function check without disconnecting power.

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type A

residual current circuit-breaker DFS 4 A S Twin, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, selective



40 A

DFS 4 040-4/0,30-A S Twin	$I_{\Delta n} = 0.3 \text{ A}$	1	09136815	206038
DFS 4 040-4/0,50-A S Twin	$I_{\Delta n} = 0.5 \text{ A}$	1	09137815	206069

63 A

DFS 4 063-4/0,30-A S Twin	$I_{\Delta n} = 0.3 \text{ A}$	1	09146815	208216
DFS 4 063-4/0,50-A S Twin	$I_{\Delta n} = 0.5 \text{ A}$	1	09147815	208223

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A

residual current circuit-breaker DFS 4 A NA, 4-pole

10000   

sensitive to pulsating and alternating currents Type A, Emergency shut-off function



16 A

DFS 4 016-4/0,03-A NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09114841	225978
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25 A

DFS 4 025-4/0,03-A NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09124841	225992
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40 A

DFS 4 040-4/0,03-A NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09134841	226012
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63 A

DFS 4 063-4/0,03-A NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09144841	226036
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DFS with emergency shut-off function ('NA' variant) make it possible to connect corresponding control elements, e. g. push-buttons for disconnecting the RCCB in emergency situations.

All devices also available in HD design and with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type A

residual current circuit-breaker DRCCB 5 ST, 2-pole

10000    

sensitive to pulsating and alternating currents Type A, short-time delayed



25 A

DRCCB 5 ST 025-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	5	1	09421501	223233
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automatic, regular self-test without any interruption to the power supply

Type A

residual current circuit-breaker DRCCB 5 ST, 4-pole

10000    

sensitive to pulsating and alternating currents Type A, short-time delayed



25 A

DRCCB 5 ST 025-4/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	7	1	09421502	223240
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40 A

DRCCB 5 ST 040-4/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	7	1	09431502	223257
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DRCCB 5 ST 040-4/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	7	1	09432502	238312
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63 A

DRCCB 5 ST 063-4/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	7	1	09441502	223264
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DRCCB 5 ST 063-4/0,30-A	$I_{\Delta n} = 0.3 \text{ A}$	7	1	09442502	238336
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automatic, regular self-test without any interruption to the power supply

Type A

residual current circuit-breaker DRCCB 5 STR, 2-pole

10000    

sensitive to pulsating and alternating currents Type A, short-time delayed



25 A

DRCCB 5 STR 025-2/0,03-A	$I_{\Delta n} = 0.03 \text{ A}$	5	1	09421503	223271
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reclosing device with checking of the insulation resistance automatic, regular self-test without any interruption to the power supply.

residual current circuit-breaker (RCCB)

Type A

residual current circuit-breaker DRCCB 5 STR, 4-pole

mod. pack. article No. EAN
widths units (4014712...)



sensitive to pulsating and alternating currents Type A, short-time delayed

25 A					
DRCCB 5 STR 025-4/0,03-A	IΔn = 0.03 A	7	1	09 421 504	223288
40 A					
DRCCB 5 STR 040-4/0,03-A	IΔn = 0.03 A	7	1	09 431 504	223295
DRCCB 5 STR 040-4/0,30-A	IΔn = 0.3 A	7	1	09 432 504	238367
63 A					
DRCCB 5 STR 063-4/0,03-A	IΔn = 0.03 A	7	1	09 441 504	223301
DRCCB 5 STR 063-4/0,30-A	IΔn = 0.3 A	7	1	09 442 504	238381

reclosing device with checking of the insulation resistance automatic,
regular self-test without any interruption to the power supply.

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type AC



residual current circuit-breaker DFS 2 AC, 2-pole



sensitive to residual currents Type AC

16 A

DFS 2 016-2/0,01-AC	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09112 602	068964
DFS 2 016-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09114 602	068971
DFS 2 016-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09115 602	068988
DFS 2 016-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09116 602	068995
DFS 2 016-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09117 602	069008

25 A

DFS 2 025-2/0,01-AC	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09122 602	069015
DFS 2 025-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09124 602	069022
DFS 2 025-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09125 602	069039
DFS 2 025-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09126 602	069046
DFS 2 025-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09127 602	069053

32 A

DFS 2 032-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09134 632	107151
DFS 2 032-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09136 632	218208

40 A

DFS 2 040-2/0,01-AC	$I_{\Delta n} = 0.01 \text{ A}$	2	1/40	09132 602	069060
DFS 2 040-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09134 602	069077
DFS 2 040-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09135 602	069084
DFS 2 040-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09136 602	069091
DFS 2 040-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09137 602	069107

63 A

DFS 2 063-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09144 602	069114
DFS 2 063-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09145 602	069121
DFS 2 063-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09146 602	069138
DFS 2 063-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09147 602	069145

80 A

DFS 2 080-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09154 602	069152
DFS 2 080-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09155 602	069169
DFS 2 080-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09156 602	069176
DFS 2 080-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09157 602	069183

100 A

DFS 2 100-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09164 602	069190
DFS 2 100-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09165 602	069206
DFS 2 100-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09166 602	069213
DFS 2 100-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09167 602	069220

125 A

DFS 2 125-2/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09174 602	086760
DFS 2 125-2/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09175 602	086807
DFS 2 125-2/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09176 602	086845
DFS 2 125-2/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	2	1/40	09177 602	086883

All devices also available in HD design.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)



Type AC

residual current circuit-breaker DFS 4 AC, 4-pole

sensitive to residual currents Type AC



16 A

DFS 4 016-4/0,01-AC	$I_{\Delta n} = 0.01 \text{ A}$	4	1/20	09112902	090460
DFS 4 016-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09114902	090484
DFS 4 016-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09115902	151710
DFS 4 016-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09116902	207981

25 A

DFS 4 025-4/0,01-AC	$I_{\Delta n} = 0.01 \text{ A}$	4	1/20	09122902	090507
DFS 4 025-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124902	090521
DFS 4 025-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09125902	090545
DFS 4 025-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09126902	090569
DFS 4 025-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09127902	090583

40 A

DFS 4 040-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134902	090606
DFS 4 040-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135902	090620
DFS 4 040-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136902	090644
DFS 4 040-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137902	090668

63 A

DFS 4 063-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144902	090682
DFS 4 063-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145902	090705
DFS 4 063-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146902	090729
DFS 4 063-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147902	090743

80 A

DFS 4 080-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09154902	090767
DFS 4 080-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155902	090781
DFS 4 080-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156902	090804
DFS 4 080-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157902	090828

100 A

DFS 4 100-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164902	090842
DFS 4 100-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165902	090866
DFS 4 100-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166902	090880
DFS 4 100-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167902	090903

125 A

DFS 4 125-4/0,03-AC	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09174902	090927
DFS 4 125-4/0,10-AC	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175902	090941
DFS 4 125-4/0,30-AC	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176902	090965
DFS 4 125-4/0,50-AC	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177902	090989

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

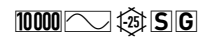
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type AC



residual current circuit-breaker DFS 2 AC S, 2-pole



sensitive to residual currents Type AC, selective

16 A

DFS 2 016-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1	09116 606	106864
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40 A

DFS 2 040-2/0,10-AC S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09135 606	131354
DFS 2 040-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09136 606	131378
DFS 2 040-2/0,50-AC S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09137 606	131392

63 A

DFS 2 063-2/0,10-AC S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09145 606	131415
DFS 2 063-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09146 606	131439
DFS 2 063-2/0,50-AC S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09147 606	131453

80 A

DFS 2 080-2/0,10-AC S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09155 606	131477
DFS 2 080-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09156 606	131491
DFS 2 080-2/0,50-AC S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09157 606	131514

100 A

DFS 2 100-2/0,10-AC S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09165 606	131538
DFS 2 100-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09166 606	131552
DFS 2 100-2/0,50-AC S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09167 606	131576

125 A

DFS 2 125-2/0,10-AC S	$I\Delta n = 0.1 \text{ A}$	2	1/40	09175 606	131590
DFS 2 125-2/0,30-AC S	$I\Delta n = 0.3 \text{ A}$	2	1/40	09176 606	131613
DFS 2 125-2/0,50-AC S	$I\Delta n = 0.5 \text{ A}$	2	1/40	09177 606	131637

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type AC

residual current circuit-breaker DFS 4 AC S, 4-pole



sensitive to residual currents Type AC, selective

16 A

DFS 4 016-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09115906	212107
DFS 4 016-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09116906	212060
DFS 4 016-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09117906	212022

25 A

DFS 4 025-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09125906	211988
DFS 4 025-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09126906	211940
DFS 4 025-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09127906	211902

40 A

DFS 4 040-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135906	131750
DFS 4 040-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136906	091726
DFS 4 040-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137906	091740

63 A

DFS 4 063-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145906	131774
DFS 4 063-4/0,30-AC R S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146916	137172
DFS 4 063-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146906	091801
DFS 4 063-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147906	091825

80 A

DFS 4 080-4/0,10-AC R S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155916	136021
DFS 4 080-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155906	131798
DFS 4 080-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156906	091887
DFS 4 080-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157906	091900
DFS 4 080-4/1,00-AC S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09158906	091023

100 A

DFS 4 100-4/0,10-AC R S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165916	136045
DFS 4 100-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165906	131811
DFS 4 100-4/0,30-AC R S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166916	197886
DFS 4 100-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166906	091962
DFS 4 100-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167906	091986
DFS 4 100-4/1,00-AC S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09168906	091047

125 A

DFS 4 125-4/0,10-AC R S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175916	136069
DFS 4 125-4/0,10-AC S	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175906	131835
DFS 4 125-4/0,30-AC S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176906	092044
DFS 4 125-4/0,50-AC S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177906	092068
DFS 4 125-4/1,00-AC S	$I_{\Delta n} = 1 \text{ A}$	4	1/20	09178906	091061

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type AC

residual current circuit-breaker DFS 4 AC S FT, 4-pole



sensitive to residual currents Type AC, with remote-tripping function, selective

63 A

DFS 4 063-4/0,50-AC S FT	$I_{\Delta n} = 0.5 \text{ A}$	4.5	1	09147944	213937
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80 A

DFS 4 080-4/0,30-AC S FT	$I_{\Delta n} = 0.3 \text{ A}$	4.5	1/10	09156944	151161
DFS 4 080-4/0,50-AC S FT	$I_{\Delta n} = 0.5 \text{ A}$	4.5	1	09157944	158221

In the FT design, the connections of the internal test key are additionally wired to two terminals. This allows the option of activating the circuit-breaker test device using external switching contacts.

All devices also available in HD design and with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. pack. article No. EAN
widths units (4014712...)

Type AC



residual current circuit-breaker DFS 2 AC FT, 2-pole



sensitive to residual currents Type AC, with remote-tripping function

40 A

DFS 2 040-2/0,03-AC FT	I Δ n = 0.03 A	2.5	1/20	09134 622	213487
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100 A

DFS 2 100-2/0,03-AC FT	I Δ n = 0.03 A	2.5	1/20	09164 622	159679
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In the FT design, the connections of the internal test key are additionally wired to two terminals. This allows the option of activating the circuit-breaker test device using external switching contacts.

All devices also available in HD design.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type AC



residual current circuit-breaker DFS 4 AC FT, 4-pole



sensitive to residual currents Type AC, with remote-tripping function

16 A

DFS 4 016-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1	09114 922	200609
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25 A

DFS 4 025-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1	09124 922	200470
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40 A

DFS 4 040-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1/10	09134 922	156920
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DFS 4 040-4/0,30-AC FT	I Δ n = 0.3 A	4.5	1	09136 922	160361
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DFS 4 040-4/0,50-AC FT	I Δ n = 0.5 A	4.5	1/10	09137 922	129245
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63 A

DFS 4 063-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1/10	09144 922	200524
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DFS 4 063-4/0,30-AC FT	I Δ n = 0.3 A	4.5	1	09146 922	207028
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DFS 4 063-4/0,50-AC FT	I Δ n = 0.5 A	4.5	1/10	09147 922	121751
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80 A

DFS 4 080-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1	09154 922	106871
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100 A

DFS 4 100-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1/10	09164 922	159655
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DFS 4 100-4/0,30-AC FT	I Δ n = 0.3 A	4.5	1	09166 922	211872
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125 A

DFS 4 125-4/0,03-AC FT	I Δ n = 0.03 A	4.5	1/10	09174 922	200531
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In the FT design, the connections of the internal test key are additionally wired to two terminals. This allows the option of activating the circuit-breaker test device using external switching contacts.

All devices also available in HD design and with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44

Type AC



residual current circuit-breaker DFS 2 AC Hz, 2-pole



sensitive to residual currents Type AC, for frequencies $\neq$ 50 Hz

16 A

DFS 2 016-2/0,03-AC Hz400	I Δ n = 0.03 A	2	1/40	09114 638	129627
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25 A

DFS 2 025-2/0,03-AC Hz400	I Δ n = 0.03 A	2	1/40	09124 638	138704
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40 A

DFS 2 040-2/0,03-AC Hz400	I Δ n = 0.03 A	2	1/40	09134 638	138681
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All devices also available in HD design.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. pack. article No. EAN
widths units (4014712...)

10000  25

Type AC

residual current circuit-breaker DFS 4 AC Hz, 4-pole

sensitive to residual currents Type AC, for frequencies $\neq 50$ Hz

25 A

DFS 4 025-4/0,03-AC Hz400 $I\Delta n = 0.03$ A

4 1/20 09124938 149793

40 A

DFS 4 040-4/0,50-AC Hz400 $I\Delta n = 0.5$ A

4 1/20 09137938 137936

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44



Type AC

residual current circuit-breaker DFS 4 AC W, 2- and 3-pole

sensitive to residual currents Type AC, 16 $2/3$ Hz or 16 $2/3$ Hz - 60 Hz

40 A

DFS 4W 040-2/0,50-AC $I\Delta n = 0.5$ A

4 1/20 09137962 135499

DFS 4W 040-3/0,50-AC $I\Delta n = 0.5$ A

4 1/20 09137964 135512

63 A

DFS 4W 063-2/0,50-AC $I\Delta n = 0.5$ A

4 1/20 09147962 135550

All devices also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44



Type AC

residual current circuit-breaker DFS 4 AC W, 4-pole

sensitive to residual currents Type AC, 16 $2/3$ Hz or 16 $2/3$ Hz - 60 Hz, with auxiliary switch

40 A

DFS 4W 040-4/0,50-AC +DHi11 $I\Delta n = 0.5$ A

4.5 1 09137966 135536

63 A

DFS 4W 063-4/0,50-AC +DHi11 $I\Delta n = 0.5$ A

4.5 1/10 09147966 136908

All devices also available in HD design.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
on Page: 44



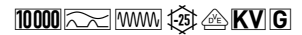
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type F



residual current circuit-breaker DFS 2 F, 2-pole



sensitive to residual currents Type F, short-time delayed, lightning resistant

16 A

DFS 2 016-2/0,03-F	I Δ n = 0.03 A	2	1/40	09114 020	212572
DFS 2 016-2/0,10-F	I Δ n = 0.1 A	2	1/40	09115 020	212596
DFS 2 016-2/0,30-F	I Δ n = 0.3 A	2	1/40	09116 020	213449
DFS 2 016-2/0,50-F	I Δ n = 0.5 A	2	1/40	09117 020	212619

25 A

DFS 2 025-2/0,03-F	I Δ n = 0.03 A	2	1/40	09124 020	212633
DFS 2 025-2/0,10-F	I Δ n = 0.1 A	2	1/40	09125 020	212657
DFS 2 025-2/0,30-F	I Δ n = 0.3 A	2	1/40	09126 020	212671
DFS 2 025-2/0,50-F	I Δ n = 0.5 A	2	1/40	09127 020	212695

40 A

DFS 2 040-2/0,03-F	I Δ n = 0.03 A	2	1/40	09134 020	212718
DFS 2 040-2/0,10-F	I Δ n = 0.1 A	2	1/40	09135 020	212732
DFS 2 040-2/0,30-F	I Δ n = 0.3 A	2	1/40	09136 020	212756
DFS 2 040-2/0,50-F	I Δ n = 0.5 A	2	1/40	09137 020	212770

63 A

DFS 2 063-2/0,03-F	I Δ n = 0.03 A	2	1/40	09144 020	212794
DFS 2 063-2/0,10-F	I Δ n = 0.1 A	2	1/40	09145 020	212817
DFS 2 063-2/0,30-F	I Δ n = 0.3 A	2	1/40	09146 020	212831
DFS 2 063-2/0,50-F	I Δ n = 0.5 A	2	1/40	09147 020	212855

80 A

DFS 2 080-2/0,03-F	I Δ n = 0.03 A	2	1/40	09154 020	212879
DFS 2 080-2/0,10-F	I Δ n = 0.1 A	2	1/40	09155 020	212893
DFS 2 080-2/0,30-F	I Δ n = 0.3 A	2	1/40	09156 020	212916
DFS 2 080-2/0,50-F	I Δ n = 0.5 A	2	1/40	09157 020	212930

100 A

DFS 2 100-2/0,03-F	I Δ n = 0.03 A	2	1/40	09164 020	212954
DFS 2 100-2/0,10-F	I Δ n = 0.1 A	2	1/40	09165 020	212978
DFS 2 100-2/0,30-F	I Δ n = 0.3 A	2	1/40	09166 020	212992
DFS 2 100-2/0,50-F	I Δ n = 0.5 A	2	1/40	09167 020	213012

125 A

DFS 2 125-2/0,03-F	I Δ n = 0.03 A	2	1/40	09174 020	213036
DFS 2 125-2/0,10-F	I Δ n = 0.1 A	2	1/40	09175 020	213050
DFS 2 125-2/0,30-F	I Δ n = 0.3 A	2	1/40	09176 020	213074
DFS 2 125-2/0,50-F	I Δ n = 0.5 A	2	1/40	09177 020	213098

All devices also available in HD design.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type F

residual current circuit-breaker DFS 4 F, 4-pole

10000     



sensitive to residual currents Type F, short-time delayed, lightning resistant

16 A

DFS 4 016-4/0,03-F	I Δ n = 0.03 A	4	1/20	09114 820	212169
DFS 4 016-4/0,10-F	I Δ n = 0.1 A	4	1/20	09115 820	212183
DFS 4 016-4/0,30-F	I Δ n = 0.3 A	4	1/20	09116 820	212206
DFS 4 016-4/0,50-F	I Δ n = 0.5 A	4	1/20	09117 820	212220

25 A

DFS 4 025-4/0,03-F	I Δ n = 0.03 A	4	1/20	09124 820	212244
DFS 4 025-4/0,10-F	I Δ n = 0.1 A	4	1/20	09125 820	212268
DFS 4 025-4/0,30-F	I Δ n = 0.3 A	4	1/20	09126 820	212282
DFS 4 025-4/0,50-F	I Δ n = 0.5 A	4	1/20	09127 820	212305

40 A

DFS 4 040-4/0,03-F	I Δ n = 0.03 A	4	1/20	09134 820	212329
DFS 4 040-4/0,10-F	I Δ n = 0.1 A	4	1/20	09135 820	212343
DFS 4 040-4/0,30-F	I Δ n = 0.3 A	4	1/20	09136 820	212367
DFS 4 040-4/0,50-F	I Δ n = 0.5 A	4	1/20	09137 820	212381

63 A

DFS 4 063-4/0,03-F	I Δ n = 0.03 A	4	1/20	09144 820	212404
DFS 4 063-4/0,10-F	I Δ n = 0.1 A	4	1/20	09145 820	212428
DFS 4 063-4/0,30-F	I Δ n = 0.3 A	4	1/20	09146 820	212442
DFS 4 063-4/0,50-F	I Δ n = 0.5 A	4	1/20	09147 820	212466

80 A

DFS 4 080-4/0,03-F	I Δ n = 0.03 A	4	1/20	09154 820	212497
DFS 4 080-4/0,10-F	I Δ n = 0.1 A	4	1/20	09155 820	212510
DFS 4 080-4/0,30-F	I Δ n = 0.3 A	4	1/20	09156 820	212534
DFS 4 080-4/0,50-F	I Δ n = 0.5 A	4	1/20	09157 820	212558

100 A

DFS 4 100-4/0,03-F	I Δ n = 0.03 A	4	1/20	09164 820	213111
DFS 4 100-4/0,10-F	I Δ n = 0.1 A	4	1/20	09165 820	213135
DFS 4 100-4/0,30-F	I Δ n = 0.3 A	4	1/20	09166 820	213159
DFS 4 100-4/0,50-F	I Δ n = 0.5 A	4	1/20	09167 820	213173

125 A

DFS 4 125-4/0,03-F	I Δ n = 0.03 A	4	1/20	09174 820	213197
DFS 4 125-4/0,10-F	I Δ n = 0.1 A	4	1/20	09175 820	213210
DFS 4 125-4/0,30-F	I Δ n = 0.3 A	4	1/20	09176 820	213234
DFS 4 125-4/0,50-F	I Δ n = 0.5 A	4	1/20	09177 820	213258

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type F

residual current circuit-breaker DFS 4 F EV, 4-pole

10000     



sensitive to residual currents Type F, short-time delayed, lightning resistant, with DC tripping threshold 6 mA, for electromobility

25 A

DFS 4 025-4/0,03-F EV	I Δ n = 0.03 A	4	1/20	09124 814	242944
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40 A

DFS 4 040-4/0,03-F EV	I Δ n = 0.03 A	4	1/20	09134 814	243002
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63 A

DFS 4 063-4/0,03-F EV	I Δ n = 0.03 A	4	1/20	09144 814	242968
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80 A

DFS 4 080-4/0,03-F EV	I Δ n = 0.03 A	4	1/20	09154 814	242982
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All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type F

residual current circuit-breaker DFS 4 F EV HD, 4-pole

10000     



sensitive to residual currents Type F, short-time delayed, lightning resistant, with DC tripping threshold 6 mA, for electromobility, for harsh environments

25 A

DFS 4 025-4/0,03-F EV HD	I Δ n = 0.03 A	4	1/20	09124 814HD	246607
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40 A

DFS 4 040-4/0,03-F EV HD	I Δ n = 0.03 A	4	1/20	09134 814HD	246584
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63 A

DFS 4 063-4/0,03-F EV HD	I Δ n = 0.03 A	4	1/20	09144 814HD	246560
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80 A

DFS 4 080-4/0,03-F EV HD	I Δ n = 0.03 A	4	1/20	09154 814HD	246546
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All devices also available with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type F

residual current circuit-breaker DFS 2 F Audio, 2-pole

10000     



sensitive to residual currents Type F, short-time delayed, lightning resistant

40 A

DFS 2 040-2/0,03-F Audio	I Δ n = 0.03 A	2	1/4	09134 046	242838
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Extremely low-impedance design for high-quality audiophile components, reduced loss of sound.
Also available as a 60 Hz version.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type F

residual current circuit-breaker DFS 4 F Audio, 4-pole

10000     



sensitive to residual currents Type F, short-time delayed, lightning resistant

63 A

DFS 4 063-4/0,03-F Audio	I Δ n = 0.03 A	4	1/20	09144 846	242876
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Extremely low-impedance design for high-quality audiophile components, reduced loss of sound.
Also available as a 60 Hz version.

All devices also available in HD design and with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type B

residual current circuit-breaker DFS 4 B SK ISO HD, 4-pole

10000     



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, for harsh environments, compliant

40 A

DFS 4 040-4/0,03-B SK ISO HD	I Δ n = 0,03 A	NEW	4	1/20	09134 848HD	264717
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DFS 4 040-4/0,30-B SK ISO HD	I Δ n = 0,3 A	NEW	4	1/20	09136 848HD	270848
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63 A

DFS 4 063-4/0,03-B SK ISO HD	I Δ n = 0,03 A	NEW	4	1/20	09144 848HD	264731
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DFS 4 063-4/0,30-B SK ISO HD	I Δ n = 0,3 A	NEW	4	1/20	09146 848HD	264755
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DFS 4 063-4/0,50-B SK ISO HD	I Δ n = 0,5 A	NEW	4	1/20	09147 848HD	264779
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An insulation test of up to 1000 V can be carried out without the need to disconnect beforehand in the ISO HD design. Tripping frequency response with extended frequency range up to 150 kHz, in comparison with the DFS 2/4 B NK increased tripping threshold of 3 A for frequencies > 1 kHz. Limit response delay 10 ms.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

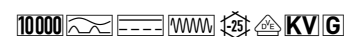
residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type B



residual current circuit-breaker DFS 2 B SK, 2-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant

16 A

DFS 2 016-2/0,03-B SK	I Δ n = 0.03 A	2	1/40	09114598	241763
DFS 2 016-2/0,10-B SK	I Δ n = 0.1 A	2	1/40	09115598	244849
DFS 2 016-2/0,30-B SK	I Δ n = 0.3 A	2	1/40	09116598	242586

25 A

DFS 2 025-2/0,03-B SK	I Δ n = 0.03 A	2	1/40	09124598	241749
DFS 2 025-2/0,10-B SK	I Δ n = 0.1 A	2	1/40	09125598	244863
DFS 2 025-2/0,30-B SK	I Δ n = 0.3 A	2	1/40	09126598	241640

40 A

DFS 2 040-2/0,03-B SK	I Δ n = 0.03 A	2	1/40	09134598	241725
DFS 2 040-2/0,10-B SK	I Δ n = 0.1 A	2	1/40	09135598	244887
DFS 2 040-2/0,30-B SK	I Δ n = 0.3 A	2	1/40	09136598	241664

63 A

DFS 2 063-2/0,03-B SK	I Δ n = 0.03 A	2	1/40	09144598	241701
DFS 2 063-2/0,10-B SK	I Δ n = 0.1 A	2	1/40	09145598	244900
DFS 2 063-2/0,30-B SK	I Δ n = 0.3 A	2	1/40	09146598	241688

80 A

DFS 2 080-2/0,03-B SK	I Δ n = 0.03 A	2	1/40	09154598	243040
DFS 2 080-2/0,10-B SK	I Δ n = 0.1 A	2	1/40	09155598	244924
DFS 2 080-2/0,30-B SK	I Δ n = 0.3 A	2	1/40	09156598	243026

Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 10 ms.

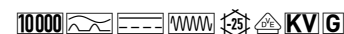
All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type B



residual current circuit-breaker DFS 4 B SK, 2-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant

100 A

DFS 4 100-2/0,03-B SK	I Δ n = 0.03 A	4	1/20	09164698	157552
DFS 4 100-2/0,10-B SK	I Δ n = 0.1 A	4	1/20	09165698	157576
DFS 4 100-2/0,30-B SK	I Δ n = 0.3 A	4	1/20	09166698	158146
DFS 4 100-2/0,50-B SK	I Δ n = 0.5 A	4	1/20	09167698	157590

125 A

DFS 4 125-2/0,03-B SK	I Δ n = 0.03 A	4	1/20	09174698	153066
DFS 4 125-2/0,10-B SK	I Δ n = 0.1 A	4	1/20	09175698	157613
DFS 4 125-2/0,30-B SK	I Δ n = 0.3 A	4	1/20	09176698	157637
DFS 4 125-2/0,50-B SK	I Δ n = 0.5 A	4	1/20	09177698	157651

Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 10 ms.

All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

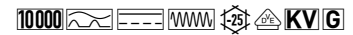
mod.	pack.		EAN
widths	units	article No.	(4014712...)

Type B



residual current circuit-breaker DFS 4 B SK, 4-pole

AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant



16 A

DFS 4 016-4/0,03-B SK	Idn = 0.03 A	4	1/20	09114998	148383
DFS 4 016-4/0,10-B SK	Idn = 0.1 A	4	1/20	09115998	148406
DFS 4 016-4/0,30-B SK	Idn = 0.3 A	4	1/20	09116998	148420
DFS 4 016-4/0,50-B SK	Idn = 0.5 A	4	1/20	09117998	148444

25 A

DFS 4 025-4/0,03-B SK	Idn = 0.03 A	4	1/20	09124998	148468
DFS 4 025-4/0,10-B SK	Idn = 0.1 A	4	1/20	09125998	148482
DFS 4 025-4/0,30-B SK	Idn = 0.3 A	4	1/20	09126998	148505
DFS 4 025-4/0,50-B SK	Idn = 0.5 A	4	1/20	09127998	148529

40 A

DFS 4 040-4/0,03-B SK	Idn = 0.03 A	4	1/20	09134998	148543
DFS 4 040-4/0,10-B SK	Idn = 0.1 A	4	1/20	09135998	148567
DFS 4 040-4/0,30-B SK	Idn = 0.3 A	4	1/20	09136998	148581
DFS 4 040-4/0,50-B SK	Idn = 0.5 A	4	1/20	09137998	148604

63 A

DFS 4 063-4/0,03-B SK	Idn = 0.03 A	4	1/20	09144998	148628
DFS 4 063-4/0,10-B SK	Idn = 0.1 A	4	1/20	09145998	148642
DFS 4 063-4/0,30-B SK	Idn = 0.3 A	4	1/20	09146998	148666
DFS 4 063-4/0,50-B SK	Idn = 0.5 A	4	1/20	09147998	148680

80 A

DFS 4 080-4/0,03-B SK	Idn = 0.03 A	4	1/20	09154998	148703
DFS 4 080-4/0,10-B SK	Idn = 0.1 A	4	1/20	09155998	148727
DFS 4 080-4/0,30-B SK	Idn = 0.3 A	4	1/20	09156998	148741
DFS 4 080-4/0,50-B SK	Idn = 0.5 A	4	1/20	09157998	148765

100 A

DFS 4 100-4/0,03-B SK	$\Delta n = 0.03 \text{ A}$	4	1/20	09164998	148789
DFS 4 100-4/0,10-B SK	$\Delta n = 0.1 \text{ A}$	4	1/20	09165998	148802
DFS 4 100-4/0,30-B SK	$\Delta n = 0.3 \text{ A}$	4	1/20	09166998	148826
DFS 4 100-4/0,50-B SK	$\Delta n = 0.5 \text{ A}$	4	1/20	09167998	148840

125 A

DFS 4 125-4/0,03-B SK	Idn = 0.03 A	4	1/20	09174998	149359
DFS 4 125-4/0,10-B SK	Idn = 0.1 A	4	1/20	09175998	149373
DFS 4 125-4/0,30-B SK	Idn = 0.3 A	4	1/20	09176998	148864
DFS 4 125-4/0,50-B SK	Idn = 0.5 A	4	1/20	09177998	148888

Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 10 ms.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

residual current circuit-breaker (RCCB)

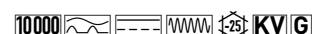
mod.	pack.		EAN
widths	units	article No.	(4014712...)

Type B



residual current circuit-breaker DFS 4 B SK MI, 4-pole

AC/DC sensitive type B, increased surge-current resistant, short-time delayed, lightning resistant, for mobile installations



16 A

DFS 4 016-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09114892	223592
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25 A

DFS 4 025-4/0,03-B SK MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124892	223615
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40 A

DFS 4 040-4/0,03-B SK MI	I _{Δn} = 0.03 A	4	1/20	09134892	223639
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63 A

DFS 4 063-4/0,03-B SK MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144892	223653
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80 A

DFS 4 080-4/0,03-B SK MI	I _{Δn} = 0.03 A	4	1/20	09154892	249721
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DFS 4 080-4/0,30-B SK MI	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156892	247864
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Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 10 ms, with DC tripping threshold 6 mA.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: [43](#), [44](#)

Type B



residual current circuit-breaker DFS 4 B SK S, 4-pole

AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, lightning resistant, selective



40 A

DFS 4 040-4/0,30-B SK S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136999	149397
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DFS 4 040-4/0,50-B SK S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137999	149410
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63 A

DFS 4 063-4/0,30-B SK S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146999	149434
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DFS 4 063-4/0,50-B SK S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147999	149458
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80 A

DFS 4 080-4/0,30-B SK S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156999	149472
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DFS 4 080-4/0,50-B SK S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157999	149496
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100 A

DFS 4 100-4/0,30-B SK S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166999	149519
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DFS 4 100-4/0,50-B SK S	$I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167999	149533
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125 A

DFS 4 125-4/0,30-B SK S	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176999	149557
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DFS 4 125-4/0,50-B SK S	I Δ n = 0.5 A	4	1/20	09177999	149571
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Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 50 ms.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

residual current circuit-breaker (RCCB)

mod. pack. article No. EAN
widths units (4014712...)

Type B

residual current circuit-breaker DFS 4 B SK S V, 4-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, lightning resistant, selective, for special voltages 500 V

40 A

DFS 4 040-4/0,30-B SK S V500 $I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136982	156715
DFS 4 040-4/0,50-B SK S V500 $I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09137982	156739

63 A

DFS 4 063-4/0,30-B SK S V500 $I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146982	156753
DFS 4 063-4/0,50-B SK S V500 $I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09147982	156777

80 A

DFS 4 080-4/0,30-B SK S V500 $I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156982	156791
DFS 4 080-4/0,50-B SK S V500 $I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09157982	156814

100 A

DFS 4 100-4/0,30-B SK S V500 $I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166982	156838
DFS 4 100-4/0,50-B SK S V500 $I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09167982	156852

125 A

DFS 4 125-4/0,30-B SK S V500 $I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176982	156876
DFS 4 125-4/0,50-B SK S V500 $I_{\Delta n} = 0.5 \text{ A}$	4	1/20	09177982	156890

Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 50 ms.

All devices are also available in HD design and up to 80 A with N right. Other special voltages on request.

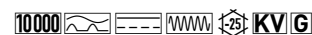
Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type B

residual current circuit-breaker DFS 4 B SK V, 4-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, for special voltages 500 V

16 A

DFS 4 016-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09114984	156197
DFS 4 016-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09115984	156210
DFS 4 016-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09116984	156234
DFS 4 016-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09117984	156258

25 A

DFS 4 025-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09124984	156272
DFS 4 025-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09125984	156296
DFS 4 025-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09126984	156319
DFS 4 025-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09127984	156333

40 A

DFS 4 040-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09134984	156357
DFS 4 040-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09135984	156371
DFS 4 040-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09136984	156395
DFS 4 040-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09137984	156418

63 A

DFS 4 063-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09144984	154421
DFS 4 063-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09145984	156432
DFS 4 063-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09146984	156456
DFS 4 063-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09147984	156470

80 A

DFS 4 080-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09154984	156494
DFS 4 080-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09155984	156517
DFS 4 080-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09156984	156531
DFS 4 080-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09157984	156555

100 A

DFS 4 100-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09164984	156579
DFS 4 100-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09165984	156593
DFS 4 100-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09166984	156616
DFS 4 100-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09167984	156630

125 A

DFS 4 125-4/0,03-B SK V500	I Δ n = 0.03 A	4	1/20	09174984	158634
DFS 4 125-4/0,10-B SK V500	I Δ n = 0.1 A	4	1/20	09175984	156654
DFS 4 125-4/0,30-B SK V500	I Δ n = 0.3 A	4	1/20	09176984	156678
DFS 4 125-4/0,50-B SK V500	I Δ n = 0.5 A	4	1/20	09177984	156692

Tripping current frequency response with extended frequency range up to 150 kHz, higher tripping threshold of 3 A compared to DFS 2/4 B NK for frequencies > 1 kHz. Non-response lag time 10 ms.

All devices are also available in HD design and up to 80 A with N right. Other special voltages on request.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type B

residual current circuit-breaker DFS 4 B SK NA, 4-pole

10000     25 



AC/DC sensitive type B, increased surge-current resistant, short-time delayed, lightning resistant, Emergency shut-off function

16 A

DFS 4 016-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09114 861	224094
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25 A

DFS 4 025-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09124 861	224117
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40 A

DFS 4 040-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09134 861	224124
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63 A

DFS 4 063-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09144 861	224148
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80 A

DFS 4 080-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09154 861	270282
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100 A

DFS 4 100-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09164 861	270305
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125 A

DFS 4 125-4/0,03-B SK NA	$I_{\Delta n} = 0.03 \text{ A}$	4.5	1/6	09174 861	225589
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DFS with emergency shut-off function ('NA' variant) make it possible to connect corresponding control elements, e. g. push-buttons for disconnecting the RCCB in emergency situations.

All devices are also available in HD design and up to 80 A with N right.

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES, auxiliary switches DHi, automatic reclosing devices DFA
on Page: 43, 44

Type B+

residual current circuit-breaker DFS 2 B+, 2-pole

10000     kHz 25 



AC/DC sensitive type B+, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 20 kHz

16 A

DFS 2 016-2/0,03-B+	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09114 596	244962
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DFS 2 016-2/0,10-B+	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09115 596	245143
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DFS 2 016-2/0,30-B+	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09116 596	245167
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25 A

DFS 2 025-2/0,03-B+	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09124 596	244986
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DFS 2 025-2/0,10-B+	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09125 596	245129
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DFS 2 025-2/0,30-B+	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09126 596	245181
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40 A

DFS 2 040-2/0,03-B+	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09134 596	245006
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DFS 2 040-2/0,10-B+	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09135 596	245105
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DFS 2 040-2/0,30-B+	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09136 596	245204
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63 A

DFS 2 063-2/0,03-B+	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09144 596	245020
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DFS 2 063-2/0,10-B+	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09145 596	245082
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DFS 2 063-2/0,30-B+	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09146 596	245228
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80 A

DFS 2 080-2/0,03-B+	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09154 596	245044
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DFS 2 080-2/0,10-B+	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09155 596	245068
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DFS 2 080-2/0,30-B+	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09156 596	245242
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Tripping current frequency response with extended frequency range up to 20 kHz, higher tripping threshold of 420 mA compared to DFS 2/4 B NK, non-response lag time 10 ms.

All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

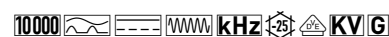
residual current circuit-breaker (RCCB)

mod.	pack.		EAN
widths	units	article No.	(4014712...)

Type B+



residual current circuit-breaker DFS 4 B+, 2-pole



AC/DC sensitive type B+, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 20 kHz

100 A

DFS 4 100-2/0,03-B+	$\Delta n = 0.03 \text{ A}$	4	1/20	09164095	203839
DFS 4 100-2/0,10-B+	$\Delta n = 0.1 \text{ A}$	4	1/20	09165095	203853
DFS 4 100-2/0,30-B+	$\Delta n = 0.3 \text{ A}$	4	1/20	09166095	203877

125 A

DFS 4 125-2/0,03-B+	$\Delta n = 0.03$ A	4	1/20	09174095	203891
DFS 4 125-2/0,10-B+	$\Delta n = 0.1$ A	4	1/20	09175095	203914
DFS 4 125-2/0,30-B+	$\Delta n = 0.3$ A	4	1/20	09176095	203938

Tripping current frequency response with extended frequency range up to 20 kHz, higher tripping threshold of 420 mA compared to DFS 2/4 B NK, non-response lag time 10 ms.

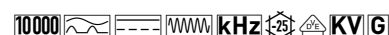
All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

Type B+



residual current circuit-breaker DFS 4 B+, 4-pole



AC/DC sensitive type B+, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 20 kHz

16 A

DFS 4 016-4/0,03-B+	$I\Delta n = 0.03 \text{ A}$	4	1/20	09114895	203112
DFS 4 016-4/0,10-B+	$I\Delta n = 0.1 \text{ A}$	4	1/20	09115895	203136
DFS 4 016-4/0,30-B+	$I\Delta n = 0.3 \text{ A}$	4	1/20	09116895	203150

25 A

DFS 4 025-4/0,03-B+	$ \Delta n = 0.03 \text{ A}$	4	1/20	09124895	203174
DFS 4 025-4/0,10-B+	$ \Delta n = 0.1 \text{ A}$	4	1/20	09125895	203198
DFS 4 025-4/0,30-B+	$ \Delta n = 0.3 \text{ A}$	4	1/20	09126895	203211

40 A

DFS 4 040-4/0,03-B+	$\Delta n = 0.03 \text{ A}$	4	1/20	09134895	203235
DFS 4 040-4/0,10-B+	$\Delta n = 0.1 \text{ A}$	4	1/20	09135895	203259
DFS 4 040-4/0,30-B+	$\Delta n = 0.3 \text{ A}$	4	1/20	09136895	203273

63 A

DFS 4 063-4/0,03-B+	$ \Delta n = 0.03 \text{ A}$	4	1/20	09144895	203297
DFS 4 063-4/0,10-B+	$ \Delta n = 0.1 \text{ A}$	4	1/20	09145895	203310
DFS 4 063-4/0,30-B+	$ \Delta n = 0.3 \text{ A}$	4	1/20	09146895	203334

80 A

DFS 4 080-4/0,03-B+	$ \Delta n = 0.03 \text{ A}$	4	1/20	09154895	203358
DFS 4 080-4/0,10-B+	$ \Delta n = 0.1 \text{ A}$	4	1/20	09155895	203372
DFS 4 080-4/0,30-B+	$ \Delta n = 0.3 \text{ A}$	4	1/20	09156895	203396

100 A

DFS 4 100-4/0,03-B+	$ \Delta n = 0.03 \text{ A}$	4	1/20	09164895	203419
DFS 4 100-4/0,10-B+	$ \Delta n = 0.1 \text{ A}$	4	1/20	09165895	203433
DFS 4 100-4/0,30-B+	$ \Delta n = 0.3 \text{ A}$	4	1/20	09166895	203457

125 A

DFS 4 125-4/0,03-B+	$\Delta n = 0.03 \text{ A}$	4	1/20	09174895	203471
DFS 4 125-4/0,10-B+	$\Delta n = 0.1 \text{ A}$	4	1/20	09175895	203495
DFS 4 125-4/0,30-B+	$\Delta n = 0.3 \text{ A}$	4	1/20	09176895	203518

Tripping current frequency response with extended frequency range up to 20 kHz, higher tripping threshold of 420 mA compared to DFS 2/4 B NK, non-response lag time 10 ms.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

residual current circuit-breaker (RCCB)

mod. widths pack. units article No. EAN (4014712...)

Type B+

residual current circuit-breaker DFS 4 B+ MI, 4-pole

10000     kHz   



AC/DC sensitive type B+, for mobile installations

16 A

DFS 4 016-4/0,03-B+ MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09114 889	217966
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25 A

DFS 4 025-4/0,03-B+ MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124 889	217980
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40 A

DFS 4 040-4/0,03-B+ MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134 889	218000
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63 A

DFS 4 063-4/0,03-B+ MI	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144 889	218024
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Tripping current frequency response with extended frequency range up to 20 kHz, higher tripping threshold of 420 mA compared to DFS 2/4 B NK, non-response lag time 10 ms, with DC tripping threshold 6 mA.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type B

residual current circuit-breaker DFS 2 B NK, 2-pole

10000     kHz   



AC/DC sensitive type B, for installations with PV inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz

16 A

DFS 2 016-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09114 595	242609
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DFS 2 016-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09115 595	244740
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DFS 2 016-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09116 595	242746
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25 A

DFS 2 025-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09124 595	242623
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DFS 2 025-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09125 595	244764
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DFS 2 025-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09126 595	242722
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40 A

DFS 2 040-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09134 595	242647
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DFS 2 040-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09135 595	244788
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DFS 2 040-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09136 595	242708
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63 A

DFS 2 063-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09144 595	242661
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DFS 2 063-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09145 595	244801
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DFS 2 063-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09146 595	242685
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80 A

DFS 2 080-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	2	1/40	09154 595	243064
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DFS 2 080-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	2	1/40	09155 595	244825
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DFS 2 080-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	2	1/40	09156 595	243088
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Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 10 ms.

All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB)

mod.	pack.		EAN
widths	units	article No.	(4014712...)

Type B



residual current circuit-breaker DFS 4 B NK, 2-pole

10000     kHz  -25  V D'E  KV  G

AC/DC sensitive type B, for installations with PV inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz

100 A

DFS 4 100-2/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164695	157279
DFS 4 100-2/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165695	157293
DFS 4 100-2/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166695	157095

125 A

DFS 4 125-2/0,03-B NK	$ \Delta n = 0.03 \text{ A}$	4	1/20	09174695	157330
DFS 4 125-2/0,10-B NK	$ \Delta n = 0.1 \text{ A}$	4	1/20	09175695	157354
DFS 4 125-2/0,30-B NK	$ \Delta n = 0.3 \text{ A}$	4	1/20	09176695	157378

Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 10 ms.

All devices are also available in HD design.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

Type B



residual current circuit-breaker DFS 4 B NK, 4-pole

10000 kHz -25 KV G

AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz

16 A

DFS 4 016-4/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09114995	139237
DFS 4 016-4/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09115995	139251
DFS 4 016-4/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09116995	139275

25 A

DFS 4 025-4/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09124995	139312
DFS 4 025-4/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09125995	139336
DFS 4 025-4/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09126995	139350

40 A

DFS 4 040-4/0,03-B NK	$ \Delta n = 0.03 \text{ A}$	4	1/20	09134995	139398
DFS 4 040-4/0,10-B NK	$ \Delta n = 0.1 \text{ A}$	4	1/20	09135995	139411
DFS 4 040-4/0,30-B NK	$ \Delta n = 0.3 \text{ A}$	4	1/20	09136995	139435

63 A

DFS 4 063-4/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09144995	139473
DFS 4 063-4/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09145995	139497
DFS 4 063-4/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09146995	139510

80 A

DFS 4 080-4/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09154995	139558
DFS 4 080-4/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09155995	139572
DFS 4 080-4/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09156995	139596

100 A

DFS 4 100-4/0,03-B NK	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164995	139633
DFS 4 100-4/0,10-B NK	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165995	139657
DFS 4 100-4/0,30-B NK	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166995	139671

125 A

DFS 4 125-4/0,03-B NK	$ \Delta n = 0.03 \text{ A}$	4	1/20	09174995	144453
DFS 4 125-4/0,10-B NK	$ \Delta n = 0.1 \text{ A}$	4	1/20	09175995	144620
DFS 4 125-4/0,30-B NK	$ \Delta n = 0.3 \text{ A}$	4	1/20	09176995	139718

Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 10 ms.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

residual current circuit-breaker (RCCB)

mod. pack. article No. EAN
widths units (4014712...)

Type B

residual current circuit-breaker DFS 4 B NK HD, 4-pole

10000    kHz   KVIG



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz, for harsh environments

63 A

DFS 4 063-4/0,10-B NK HD $I_{\Delta n} = 0.1 \text{ A}$

NEW

4 1/20 09145995HD 277182

Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 10 ms.

All devices are also available with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

Type B

residual current circuit-breaker DFS 4 B NK S, 4-pole

10000    kHz   SIG



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, lightning resistant, fire prevention up to 150 kHz, selective

40 A

DFS 4 040-4/0,30-B NK S $I_{\Delta n} = 0.3 \text{ A}$

4 1/20 09136979 205475

63 A

DFS 4 063-4/0,30-B NK S $I_{\Delta n} = 0.3 \text{ A}$

4 1/20 09146979 198357

80 A

DFS 4 080-4/0,30-B NK S $I_{\Delta n} = 0.3 \text{ A}$

4 1/20 09156979 205499

100 A

DFS 4 100-4/0,30-B NK S $I_{\Delta n} = 0.3 \text{ A}$

4 1/20 09166979 205512

125 A

DFS 4 125-4/0,30-B NK S $I_{\Delta n} = 0.3 \text{ A}$

4 1/20 09176979 161450

Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 50 ms.

All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
on Page: 43, 44

residual current circuit-breaker (RCCB), accessories (RCCB)

mod.	pack.		EAN
widths	units	article No.	(4014712...)

Type B



residual current circuit-breaker DFS 4 B NK V, 4-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz, for special voltages 500 V

16 A

DFS 4 016-4/0,03-B NK V500	Idn = 0.03 A	4	1/20	09114983	155633
DFS 4 016-4/0,10-B NK V500	Idn = 0.1 A	4	1/20	09115983	155657
DFS 4 016-4/0,30-B NK V500	Idn = 0.3 A	4	1/20	09116983	155671

25 A

DFS 4 025-4/0,03-B NK V500	$I\Delta n = 0.03 \text{ A}$	4	1/20	09124983	155718
DFS 4 025-4/0,10-B NK V500	$I\Delta n = 0.1 \text{ A}$	4	1/20	09125983	155732
DFS 4 025-4/0,30-B NK V500	$I\Delta n = 0.3 \text{ A}$	4	1/20	09126983	155756

40 A

DFS 4 040-4/0,03-B NK V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09134983	155794
DFS 4 040-4/0,10-B NK V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09135983	155817
DFS 4 040-4/0,30-B NK V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09136983	155831

63 A

DFS 4 063-4/0,03-B NK V500	$\Delta n = 0.03$ A	4	1/20	09144983	155879
DFS 4 063-4/0,10-B NK V500	$\Delta n = 0.1$ A	4	1/20	09145983	155893
DFS 4 063-4/0,30-B NK V500	$\Delta n = 0.3$ A	4	1/20	09146983	155916

80 A

DFS 4 080-4/0,03-B NK V500	Idn = 0.03 A	4	1/20	09154983	155954
DFS 4 080-4/0,10-B NK V500	Idn = 0.1 A	4	1/20	09155983	155978
DFS 4 080-4/0,30-B NK V500	Idn = 0.3 A	4	1/20	09156983	155992

100 A

DFS 4 100-4/0,03-B NK V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09164983	156036
DFS 4 100-4/0,10-B NK V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09165983	156050
DFS 4 100-4/0,30-B NK V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09166983	156074

125 A

DFS 4 125-4/0,03-B NK V500	$I_{\Delta n} = 0.03 \text{ A}$	4	1/20	09174983	156111
DFS 4 125-4/0,10-B NK V500	$I_{\Delta n} = 0.1 \text{ A}$	4	1/20	09175983	156135
DFS 4 125-4/0,30-B NK V500	$I_{\Delta n} = 0.3 \text{ A}$	4	1/20	09176983	156159

Tripping current frequency response with extended frequency range up to 150 kHz at max. conventional tripping current of 300 mA, non-response lag time 10 ms.

All devices are also available in HD design and up to 80 A with N right. Other special voltages on request.

Accessories: auxiliary switches DHI, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES

Accessories



automatic reclosing devices DFA 2



Remote actuation for residual current circuit-breakers of series DFS 2 and DFS 4

DFA 2	24 V AC/DC, Switch-on attempts: 1	4	1	09100110	205598
DFA 2-1	24 V AC/DC, Switch-on attempts: 1	4	1	09100112	208339
DFA 2-2	24 V AC/DC, Switch-on attempts: 1 or 3	4	1	09100113	208346
DFA 2-3	230 V AC, Switch-on attempts: 1 or 3	4	1	09100114	208445
DFA 2-4	230 V AC, Switch-on attempts: 1 or 3	4	1	09100115	211803

DFA 2-3/2-4: Resistance cable DFA 2-RC is required for remote tripping with rated residual current $I_{\Delta n}$ of the connected residual current circuit-breaker.

Accessories



automatic reclosing devices DFA 3



Compact remote actuation for residual current circuit-breakers in series DFS 2 and DFS 4

DFA 3 024DC-0	24 V DC, Switch-on attempts: 0	1	1	09100141	240940
DFA 3 024DC-3	24 V DC, Switch-on attempts: 3	1	1	09100143	240964
operating voltage 24 V DC					

accessories (RCCB), distribution boards, circuit-breaker (MCCB)

mod. widths pack. units article No. EAN (4014712...)

Accessories

auxiliary switches DHI

Auxiliary switches report the status of the main devices to which they are fitted.



DHI 11	1 NC/1 CO	0.5	1	09200040	198388
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Accessories

restart locks WES

Equipment which prevents the unintentional activation of switching devices, e.g. during maintenance work.



WES			1	09913993	149656
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Accessories

terminal caps KA

for protection against contact with voltage from leading terminals



KA-DFS 2	sealable		1	09200011	089440
KA-DFS 4	sealable		1	09200012	123779

Accessories

information stickers HAS

Information stickers for residual current circuit-breakers DFS 2 and DFS 4



HAS DFS			1	09200021	215832
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Accessories

software DBS

For DFS 2, DFS 4 and DLS 6



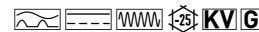
DBS V2			1	09917979	249028
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Download free-of-charge online at www.doecke.de.

Type B

portable residual current devices DPRCD-M

AC/DC sensitive type B, 3-Phase PRCD module, With protective conductor monitoring



DPRCD-M1	NEW	8	1	09342100	274310
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distribution boards DPB

mobile distribution board with full rubber housing and integrated residual current protection



DPB 16 01-100	16 A input, 16 A output		1	09931300	231030
DPB 32 01-010	32 A input, 32 A output		1	09931301	231047
DPB 32 01-110	input 32 A, output 16/32 A (changeable)		1	09931302	231054

The devices are fitted with DFS 4 B SK MI HD (I_{Δn} = 0.03 A). Rated voltage 230 V, 400 V/ 50 Hz

circuit-breaker DMCCB fix

Safe and reliable energy management, switching and control in industry, building automation and use of machinery



trip fixed

DMCCB 2 040-1-ESF	1-pole, 40 A, I _{cs} = 25 kA, I _{cu} = 25 kA	SELLOUT	1	09313211	217386
DMCCB 2 063-1-ESF	1-pole, 63 A, I _{cs} = 25 kA, I _{cu} = 25 kA	SELLOUT	1	09315211	217393
DMCCB 2 100-1-ESF	1-pole, 100 A, I _{cs} = 25 kA, I _{cu} = 25 kA	SELLOUT	1	09317211	217409
DMCCB 3 200-3-SSF	3-pole, 200 A, I _{cs} = 20 kA, I _{cu} = 40 kA	SELLOUT	1	09320334	217614
DMCCB 3 250-3-SSF	3-pole, 250 A, I _{cs} = 20 kA, I _{cu} = 40 kA	SELLOUT	1	09321334	217621

Accessories: undervoltage trips, operating current trip, auxiliary switches DAX
on Page: **45**

circuit-breaker (MCCB), accessories (MCCB)

mod. widths pack. units article No. EAN (4014712...)

circuit-breaker DMCCB electronic



Safe and reliable energy management, switching and control in industry, building automation and use of machinery

trip adjustable

DMCCB 4 400-3-SNE	3-pole, 400 A, Ics = 50 kA, Icu = 50 kA	SELLOUT	1	09322436	217744
DMCCB 4 400-4-SNE	4-pole, 400 A, Ics = 50 kA, Icu = 50 kA	SELLOUT	1	09322446	217768
DMCCB 5 630-3-SCE	3-pole, 630 A, Ics = 50 kA, Icu = 50 kA	SELLOUT	1	09323538	217799
DMCCB 5 630-4-ENE	4-pole, 630 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09323547	217782
DMCCB 6 800-3-SNE	3-pole, 800 A, Ics = 50 kA, Icu = 50 kA	SELLOUT	1	09324636	219106
DMCCB 7 1000-3-SSE	3-pole, 100 A, Ics = 38 kA, Icu = 50 kA	SELLOUT	1	09325739	217836

Accessories: undervoltage trips, operating current trip, auxiliary switches DAX
on Page: 45, 46

circuit-breaker DMCCB magnetic/thermal



Safe and reliable energy management, switching and control in industry, building automation and use of machinery

trip adjustable

DMCCB 1 020-3-SNJ	3-pole, 20 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09310133	217553
DMCCB 1 032-3-SNJ	3-pole, 32 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09312133	217560
DMCCB 1 050-3-SNJ	3-pole, 50 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09314133	217577
DMCCB 1 063-3-SNJ	3-pole, 63 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09315133	217584
DMCCB 1 100-3-SNJ	3-pole, 100 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09317133	217591
DMCCB 1 125-3-SNJ	3-pole, 125 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09318133	217607
DMCCB 3 160-3-SNJ	3-pole, 160 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09319333	217638
DMCCB 3 200-3-SNJ	3-pole, 200 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09320333	217645
DMCCB 3 250-3-SNJ	3-pole, 250 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09321333	217652
DMCCB 3 250-4-SNJ	4-pole, 250 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09321343	217683
DMCCB 4 250-3-SCJ	3-pole, 250 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09321435	217690
DMCCB 4 400-3-SCJ	3-pole, 400 A, Ics = 36 kA, Icu = 36 kA	SELLOUT	1	09322435	217706

Ics=Icu bei Ue = 400/415 VAC

Accessories: undervoltage trips, operating current trip, auxiliary switches DAX
on Page: 45, 46

circuit-breaker DMCCB thermal



Safe and reliable energy management, switching and control in industry, building automation and use of machinery

trip adjustable

DMCCB 2 025-3-SSCJ	3-pole, 25 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09311232	217416
DMCCB 2 040-3-SSCJ	3-pole, 40 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09313232	217423
DMCCB 2 063-3-SSCJ	3-pole, 63 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09315232	217430
DMCCB 2 080-3-SSCJ	3-pole, 80 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09316232	217447
DMCCB 2 100-3-SSCJ	3-pole, 100 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09317232	217454
DMCCB 2 125-3-SSCJ	3-pole, 125 A, Ics = 13 kA, Icu = 25 kA	SELLOUT	1	09318232	217461

Accessories: undervoltage trips, operating current trip, auxiliary switches DAX
on Page: 45

Accessories

auxiliary switches DAX

for DMCCB

DAX 1-1	1 CO	1	09300081	220072
DAX 2-1	1 CO	1	09300082	220089

Accessories

operating current trip DSHT 2

for DMCCB 1 SNJ, DMCCB 2 SNJ, DMCCB 3 SNJ, DMCCB 4, DMCCB 5, DMCCB 6, DMCCB 7

DSHT 2-2	200 - 240 V AC	SELLOUT	1	09300049	219939
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accessories (MCCB), modular residual current devices (MRCD),
accessories (MRCD)

mod. widths pack. units article No. EAN
(4014712...)

Accessories



undervoltage trips DUVT 2

for DMCCB 1 SNJ, DMCCB 2 SNJ, DMCCB 3 SNJ, DMCCB 4, DMCCB 5

DUVT 2-2	200 - 240 V AC	SELLOUT	1	09300008	219700
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Accessories



undervoltage trips DUVT 3

for DMCCB 6, DMCCB 7, DMCCB 8

DUVT 3-2	200 - 240 V AC	SELLOUT	1	09300014	219762
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Type A



modular residual current devices DMRCD Type A



10-way LED display, external connection of transformers DCT A

DMRCD 1 A	adjustable	4	1	09340350	202665
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Supply voltage 85 V - 264 V AC/50 Hz - 60 Hz, pulsating AC/DC-sensitive Type A, pre/main alarm 1 changeover contact each

Accessories: residual current transformer DCT Type A, AC
on Page: 46

Accessories



residual current transformer DCT A



for combination with a DMRCD 1A/DRCM 1A

DCT A-020	20 mm	1	09340320	241022
DCT A-035	35 mm	1	09340321	241039
DCT A-070	70 mm	1	09340322	241046
DCT A-105	105 mm	1	09340323	241053

pulsating AC/DC-sensitive Type A

residual current operated circuit-breakers with integral overcurrent protection (RCBO)

Doepke

mod. widths pack. units article No. EAN
(4014712...)

Type A



residual current operated circuit-breakers with integral overcurrent protection DRCBO 3 Type A, 1+N-pole

sensitive to pulsating and alternating currents Type A

10000

characteristic B

DRCBO 3 B06/0,03/1N-A	6 A, $I_{\Delta n} = 0.03$ A	2	1	09932101	220560
DRCBO 3 B10/0,03/1N-A	10 A, $I_{\Delta n} = 0.03$ A	2	1	09932102	220584
DRCBO 3 B13/0,03/1N-A	13 A, $I_{\Delta n} = 0.03$ A	2	1	09932103	220607
DRCBO 3 B16/0,01/1N-A	16 A, $I_{\Delta n} = 0.01$ A	2	1	09932144	220843
DRCBO 3 B16/0,03/1N-A	16 A, $I_{\Delta n} = 0.03$ A	2	1	09932104	220621
DRCBO 3 B16/0,30/1N-A	16 A, $I_{\Delta n} = 0.3$ A	2	1	09932114	220669
DRCBO 3 B20/0,03/1N-A	20 A, $I_{\Delta n} = 0.03$ A	2	1	09932105	221789
DRCBO 3 B20/0,30/1N-A	20 A, $I_{\Delta n} = 0.3$ A	2	1	09932115	222199
DRCBO 3 B25/0,03/1N-A	25 A, $I_{\Delta n} = 0.03$ A	2	1	09932106	221802
DRCBO 3 B25/0,30/1N-A	25 A, $I_{\Delta n} = 0.3$ A	2	1	09932116	222212
DRCBO 3 B32/0,03/1N-A	32 A, $I_{\Delta n} = 0.03$ A	2	1	09932107	221826
DRCBO 3 B32/0,30/1N-A	32 A, $I_{\Delta n} = 0.3$ A	2	1	09932117	222236

characteristic C

DRCBO 3 C06/0,03/1N-A	6 A, $I_{\Delta n} = 0.03$ A	2	1	09932121	220683
DRCBO 3 C10/0,03/1N-A	10 A, $I_{\Delta n} = 0.03$ A	2	1	09932122	220706
DRCBO 3 C13/0,03/1N-A	13 A, $I_{\Delta n} = 0.03$ A	2	1	09932123	220720
DRCBO 3 C16/0,01/1N-A	16 A, $I_{\Delta n} = 0.01$ A	2	1	09932154	220867
DRCBO 3 C16/0,03/1N-A	16 A, $I_{\Delta n} = 0.03$ A	2	1	09932124	220744
DRCBO 3 C16/0,30/1N-A	16 A, $I_{\Delta n} = 0.3$ A	2	1	09932134	220829
DRCBO 3 C20/0,03/1N-A	20 A, $I_{\Delta n} = 0.03$ A	2	1	09932125	220768
DRCBO 3 C20/0,30/1N-A	20 A, $I_{\Delta n} = 0.3$ A	2	1	09932135	222779
DRCBO 3 C25/0,03/1N-A	25 A, $I_{\Delta n} = 0.03$ A	2	1	09932126	220782
DRCBO 3 C25/0,30/1N-A	25 A, $I_{\Delta n} = 0.3$ A	2	1	09932136	222793
DRCBO 3 C32/0,03/1N-A	32 A, $I_{\Delta n} = 0.03$ A	2	1	09932127	220805
DRCBO 3 C32/0,30/1N-A	32 A, $I_{\Delta n} = 0.3$ A	2	1	09932137	222816

Accessories: auxiliary switches DHi, operating current trip FAM, wiring components RCCB and MCB busbars 2-pole, wiring components RCCB and MCB busbars 4-pole, restart locks RH-SPE

on Page: 56

Type A



residual current operated circuit-breakers with integral overcurrent protection DRCBO 3 Type A KV, 1+N-pole

sensitive to pulsating and alternating currents Type A, short-time delayed, increased surge-current resistant

10000

characteristic B

DRCBO 3 B16/0,03/1N-A KV	16 A, $I_{\Delta n} = 0.03$ A	2	1	09932404	220928
DRCBO 3 B25/0,03/1N-A KV	25 A, $I_{\Delta n} = 0.03$ A	2	1	09932406	220942
DRCBO 3 B32/0,03/1N-A KV	32 A, $I_{\Delta n} = 0.03$ A	2	1	09932407	220966
DRCBO 3 B40/0,03/1N-A KV	40 A, $I_{\Delta n} = 0.03$ A	2	1	09932408	220980

characteristic C

DRCBO 3 C16/0,03/1N-A KV	16 A, $I_{\Delta n} = 0.03$ A	2	1	09932424	221000
DRCBO 3 C25/0,03/1N-A KV	25 A, $I_{\Delta n} = 0.03$ A	2	1	09932426	221024
DRCBO 3 C32/0,03/1N-A KV	32 A, $I_{\Delta n} = 0.03$ A	2	1	09932427	221048
DRCBO 3 C40/0,03/1N-A KV	40 A, $I_{\Delta n} = 0.03$ A	2	1	09932428	221062

Accessories: auxiliary switches DHi, operating current trip FAM, wiring components RCCB and MCB busbars 2-pole, wiring components RCCB and MCB busbars 4-pole, restart locks RH-SPE

on Page: 56

residual current operated circuit-breakers with integral overcurrent protection (RCBO)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 Type A, 3+N-pole



sensitive to pulsating and alternating currents Type A

characteristic B

DRCBO 4 B06/0,03/3N-A	6 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 101	266513
DRCBO 4 B06/0,30/3N-A	6 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 111	266605
DRCBO 4 B10/0,03/3N-A	10 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 102	266537
DRCBO 4 B10/0,30/3N-A	10 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 112	266612
DRCBO 4 B13/0,03/3N-A	13 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 103	266544
DRCBO 4 B13/0,30/3N-A	13 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 113	266629
DRCBO 4 B16/0,03/3N-A	16 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 104	266551
DRCBO 4 B16/0,30/3N-A	16 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 114	266636
DRCBO 4 B20/0,03/3N-A	20 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 105	266568
DRCBO 4 B20/0,30/3N-A	20 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 115	266643
DRCBO 4 B25/0,03/3N-A	25 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 106	266575
DRCBO 4 B25/0,30/3N-A	25 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 116	266650
DRCBO 4 B32/0,03/3N-A	32 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 107	266582
DRCBO 4 B32/0,30/3N-A	32 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 117	266667
DRCBO 4 B40/0,03/3N-A	40 A, $I_{\Delta n} = 0.03$ A	NEW	5	1	09 945 108	266599
DRCBO 4 B40/0,30/3N-A	40 A, $I_{\Delta n} = 0.3$ A	NEW	5	1	09 945 118	266674

characteristic C

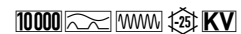
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DRCBO 4 C06/0,30/3N-A	6 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 131	266445
DRCBO 4 C10/0,03/3N-A	10 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 122	266377
DRCBO 4 C10/0,30/3N-A	10 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 132	266452
DRCBO 4 C13/0,03/3N-A	13 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 123	266384
DRCBO 4 C13/0,30/3N-A	13 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 133	266469
DRCBO 4 C16/0,03/3N-A	16 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 124	266407
DRCBO 4 C16/0,30/3N-A	16 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 134	266476
DRCBO 4 C20/0,03/3N-A	20 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 125	266391
DRCBO 4 C20/0,30/3N-A	20 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 135	266483
DRCBO 4 C25/0,03/3N-A	25 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 126	266414
DRCBO 4 C25/0,30/3N-A	25 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 136	266490
DRCBO 4 C32/0,03/3N-A	32 A, $I_{\Delta n} = 0.03$ A	NEW	4	1	09 945 127	266438
DRCBO 4 C32/0,30/3N-A	32 A, $I_{\Delta n} = 0.3$ A	NEW	4	1	09 945 137	266506
DRCBO 4 C40/0,03/3N-A	40 A, $I_{\Delta n} = 0.03$ A	NEW	5	1	09 945 128	266421
DRCBO 4 C40/0,30/3N-A	40 A, $I_{\Delta n} = 0.3$ A	NEW	5	1	09 945 138	266520

Accessories: wiring components RCCB and MCB busbars 4-pole, auxiliary switches DRCBO 4 Hi 2, auxiliary switches DRCBO 4 Hi 1
on Page: 56

Type F



residual current operated circuit-breakers with integral overcurrent protection DRCBO 3 Type F, 1+N-pole



sensitive to residual currents Type F, short-time delayed, increased surge-current resistant

characteristic B

DRCBO 3 B16/0,03/1N-F	16 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 304	241305
DRCBO 3 B25/0,03/1N-F	25 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 306	241367
DRCBO 3 B40/0,03/1N-F	40 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 308	241404

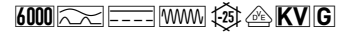
characteristic C

DRCBO 3 C16/0,03/1N-F	16 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 324	241329
DRCBO 3 C25/0,03/1N-F	25 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 326	242524
DRCBO 3 C40/0,03/1N-F	40 A, $I_{\Delta n} = 0.03$ A	2	1	09 932 328	242463

Accessories: auxiliary switches DHi, operating current trip FAM, wiring components RCCB and MCB busbars 2-pole, wiring components RCCB and MCB busbars 4-pole, restart locks RH-SPE
on Page: 56



mod.	pack.	article No.	EAN
widths	units		(4014712...)



characteristic B

characteristic C

Tripping frequency response with extended frequency range up to 150 kHz, in comparison with the DRCBO 4 B NK increased tripping threshold of 3 A for frequencies > 1 kHz. Limit response delay 10 ms. Compact dimensions of just 2.5 module widths.

EAN refers to individual item | All illustrations are non-binding.

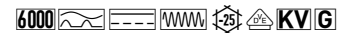
residual current operated circuit-breakers with integral overcurrent protection (RCBO)

mod. widths pack. units article No. EAN (4014712...)

Type B



residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 Type B SK, 3+N-pole



AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, Tripping frequency response up to 150 kHz

characteristic B

DRCBO 4 B06/0,03/3N-B SK	6 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948101	258747
DRCBO 4 B06/0,10/3N-B SK	6 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948151	258952
DRCBO 4 B06/0,30/3N-B SK	6 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948111	248083
DRCBO 4 B10/0,03/3N-B SK	10 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948102	258754
DRCBO 4 B10/0,10/3N-B SK	10 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948152	258969
DRCBO 4 B10/0,30/3N-B SK	10 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948112	248106
DRCBO 4 B13/0,03/3N-B SK	13 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948103	258761
DRCBO 4 B13/0,10/3N-B SK	13 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948153	258976
DRCBO 4 B13/0,30/3N-B SK	13 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948113	248120
DRCBO 4 B16/0,03/3N-B SK	16 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948104	258778
DRCBO 4 B16/0,10/3N-B SK	16 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948154	247987
DRCBO 4 B16/0,30/3N-B SK	16 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948114	248144
DRCBO 4 B20/0,03/3N-B SK	20 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948105	258785
DRCBO 4 B20/0,10/3N-B SK	20 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948155	248007
DRCBO 4 B20/0,30/3N-B SK	20 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948115	248168
DRCBO 4 B25/0,03/3N-B SK	25 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948106	258792
DRCBO 4 B25/0,10/3N-B SK	25 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948156	248021
DRCBO 4 B25/0,30/3N-B SK	25 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948116	248182
DRCBO 4 B32/0,03/3N-B SK	32 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948107	258808
DRCBO 4 B32/0,10/3N-B SK	32 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948157	248045
DRCBO 4 B32/0,30/3N-B SK	32 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948117	248205

characteristic C

DRCBO 4 C06/0,03/3N-B SK	6 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948121	258815
DRCBO 4 C06/0,10/3N-B SK	6 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948171	258983
DRCBO 4 C06/0,30/3N-B SK	6 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948131	258884
DRCBO 4 C10/0,03/3N-B SK	10 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948122	258822
DRCBO 4 C10/0,10/3N-B SK	10 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948172	258990
DRCBO 4 C10/0,30/3N-B SK	10 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948132	258891
DRCBO 4 C13/0,03/3N-B SK	13 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948123	258839
DRCBO 4 C13/0,10/3N-B SK	13 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948173	259003
DRCBO 4 C13/0,30/3N-B SK	13 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948133	258907
DRCBO 4 C16/0,03/3N-B SK	16 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948124	258846
DRCBO 4 C16/0,10/3N-B SK	16 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948174	259010
DRCBO 4 C16/0,30/3N-B SK	16 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948134	258914
DRCBO 4 C20/0,03/3N-B SK	20 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948125	258853
DRCBO 4 C20/0,10/3N-B SK	20 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948175	259027
DRCBO 4 C20/0,30/3N-B SK	20 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948135	258921
DRCBO 4 C25/0,03/3N-B SK	25 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948126	258860
DRCBO 4 C25/0,10/3N-B SK	25 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948176	259034
DRCBO 4 C25/0,30/3N-B SK	25 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948136	258938
DRCBO 4 C32/0,03/3N-B SK	32 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09948127	258877
DRCBO 4 C32/0,10/3N-B SK	32 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09948177	259041
DRCBO 4 C32/0,30/3N-B SK	32 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09948137	258945

Tripping frequency response with extended frequency range up to 150 kHz, in comparison with the DRCBO 4 B NK increased tripping threshold of 3 A for frequencies > 1 kHz. Limit response delay 10 ms. Compact dimensions of just 4.5 module widths.

Accessories: wiring components DRCBO 4-busbars 4-pole, auxiliary switches DRCBO 4 Hi 2
on Page: 56

6000 kHz KV G

Accessories: wiring components DRCBO 4-busbars 2-pole, wiring components DRCBO 4-busbars 4-pole, auxiliary switches DRCBO 4 Hi 2
on Page: [56](#)

residual current operated circuit-breakers with
integral overcurrent protection (RCBO)

mod.	pack.	article No.	EAN
widths	units		(4014712...)



Type B



residual current operated circuit-breakers with integral
overcurrent protection DRCBO 4 Type B NK, 3+N-pole

AC/DC sensitive type B, for installations with PV inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 150 kHz

characteristic B

DRCBO 4 B06/0,03/3N-B NK	6 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948201	259058
DRCBO 4 B06/0,10/3N-B NK	6 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948251	259119
DRCBO 4 B06/0,30/3N-B NK	6 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948211	261952
DRCBO 4 B10/0,03/3N-B NK	10 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948202	259065
DRCBO 4 B10/0,10/3N-B NK	10 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948252	259126
DRCBO 4 B10/0,30/3N-B NK	10 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948212	261976
DRCBO 4 B13/0,03/3N-B NK	13 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948203	259072
DRCBO 4 B13/0,10/3N-B NK	13 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948253	259133
DRCBO 4 B13/0,30/3N-B NK	13 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948213	261990
DRCBO 4 B16/0,03/3N-B NK	16 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948204	259089
DRCBO 4 B16/0,10/3N-B NK	16 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948254	259140
DRCBO 4 B16/0,30/3N-B NK	16 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948214	262010
DRCBO 4 B20/0,03/3N-B NK	20 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948205	249899
DRCBO 4 B20/0,10/3N-B NK	20 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948255	259157
DRCBO 4 B20/0,30/3N-B NK	20 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948215	262034
DRCBO 4 B25/0,03/3N-B NK	25 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948206	259096
DRCBO 4 B25/0,10/3N-B NK	25 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948256	259164
DRCBO 4 B25/0,30/3N-B NK	25 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948216	262058
DRCBO 4 B32/0,03/3N-B NK	32 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948207	259102
DRCBO 4 B32/0,10/3N-B NK	32 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948257	259171
DRCBO 4 B32/0,30/3N-B NK	32 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948217	262072

characteristic C

DRCBO 4 C06/0,03/3N-B NK	6 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948221	264960
DRCBO 4 C06/0,10/3N-B NK	6 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948271	265035
DRCBO 4 C06/0,30/3N-B NK	6 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948231	265110
DRCBO 4 C10/0,03/3N-B NK	10 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948222	264977
DRCBO 4 C10/0,10/3N-B NK	10 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948272	265042
DRCBO 4 C10/0,30/3N-B NK	10 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948232	265103
DRCBO 4 C13/0,03/3N-B NK	13 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948223	264984
DRCBO 4 C13/0,10/3N-B NK	13 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948273	265066
DRCBO 4 C13/0,30/3N-B NK	13 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948233	265127
DRCBO 4 C16/0,03/3N-B NK	16 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948224	264991
DRCBO 4 C16/0,10/3N-B NK	16 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948274	265059
DRCBO 4 C16/0,30/3N-B NK	16 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948234	265134
DRCBO 4 C20/0,03/3N-B NK	20 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948225	265004
DRCBO 4 C20/0,10/3N-B NK	20 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948275	265073
DRCBO 4 C20/0,30/3N-B NK	20 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948235	265165
DRCBO 4 C25/0,03/3N-B NK	25 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948226	265011
DRCBO 4 C25/0,10/3N-B NK	25 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948276	265080
DRCBO 4 C25/0,30/3N-B NK	25 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948236	265172
DRCBO 4 C32/0,03/3N-B NK	32 A, $\Delta n = 0.03$ A	NEW	4.5	1	09948227	265028
DRCBO 4 C32/0,10/3N-B NK	32 A, $\Delta n = 0.1$ A	NEW	4.5	1	09948277	265097
DRCBO 4 C32/0,30/3N-B NK	32 A, $\Delta n = 0.3$ A	NEW	4.5	1	09948237	265189

Tripping frequency response with extended frequency range up to 150 kHz at a tripping threshold of 300 mA, limit response delay of 10 ms. Compact dimensions of just 4.5 module widths.

Accessories: wiring components DRCBO 4-busbars 4-pole, auxiliary switches DRCBO 4 Hi 2
on Page: **56**

residual current operated circuit-breakers with integral overcurrent protection (RCBO)

Doepke

mod. widths pack. units article No. EAN (4014712...)

Type B+



residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 Type B+, 1+N-pole

6000

AC/DC sensitive type B+, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 20 kHz

characteristic B

DRCBO 4 B06/0,03/1N-B+	6 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949301	265196
DRCBO 4 B06/0,10/1N-B+	6 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949341	265264
DRCBO 4 B06/0,30/1N-B+	6 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949311	265332
DRCBO 4 B10/0,03/1N-B+	10 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949302	265202
DRCBO 4 B10/0,10/1N-B+	10 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949342	265271
DRCBO 4 B10/0,30/1N-B+	10 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949312	265349
DRCBO 4 B13/0,03/1N-B+	13 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949303	265219
DRCBO 4 B13/0,10/1N-B+	13 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949343	265288
DRCBO 4 B13/0,30/1N-B+	13 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949313	265356
DRCBO 4 B16/0,03/1N-B+	16 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949304	265226
DRCBO 4 B16/0,10/1N-B+	16 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949344	265295
DRCBO 4 B16/0,30/1N-B+	16 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949314	265363
DRCBO 4 B20/0,03/1N-B+	20 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949305	265233
DRCBO 4 B20/0,10/1N-B+	20 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949345	265301
DRCBO 4 B20/0,30/1N-B+	20 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949315	265370
DRCBO 4 B25/0,03/1N-B+	25 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949306	265240
DRCBO 4 B25/0,10/1N-B+	25 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949346	265318
DRCBO 4 B25/0,30/1N-B+	25 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949316	265387
DRCBO 4 B32/0,03/1N-B+	32 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949307	265257
DRCBO 4 B32/0,10/1N-B+	32 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949347	265325
DRCBO 4 B32/0,30/1N-B+	32 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949317	265394

characteristic C

DRCBO 4 C06/0,03/1N-B+	6 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949321	265622
DRCBO 4 C06/0,10/1N-B+	6 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949361	267640
DRCBO 4 C06/0,30/1N-B+	6 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949331	265844
DRCBO 4 C10/0,03/1N-B+	10 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949322	265639
DRCBO 4 C10/0,10/1N-B+	10 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949362	267657
DRCBO 4 C10/0,30/1N-B+	10 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949332	265851
DRCBO 4 C13/0,03/1N-B+	13 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949323	265646
DRCBO 4 C13/0,10/1N-B+	13 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949363	267664
DRCBO 4 C13/0,30/1N-B+	13 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949333	265868
DRCBO 4 C16/0,03/1N-B+	16 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949324	265653
DRCBO 4 C16/0,10/1N-B+	16 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949364	267671
DRCBO 4 C16/0,30/1N-B+	16 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949334	265875
DRCBO 4 C20/0,03/1N-B+	20 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949325	265660
DRCBO 4 C20/0,10/1N-B+	20 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949365	267695
DRCBO 4 C20/0,30/1N-B+	20 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949335	265882
DRCBO 4 C25/0,03/1N-B+	25 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949326	265677
DRCBO 4 C25/0,10/1N-B+	25 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949366	267688
DRCBO 4 C25/0,30/1N-B+	25 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949336	265899
DRCBO 4 C32/0,03/1N-B+	32 A, $I_{\Delta n} = 0.03$ A	NEW	2.5	1	09949327	265684
DRCBO 4 C32/0,10/1N-B+	32 A, $I_{\Delta n} = 0.1$ A	NEW	2.5	1	09949367	267701
DRCBO 4 C32/0,30/1N-B+	32 A, $I_{\Delta n} = 0.3$ A	NEW	2.5	1	09949337	265905

Tripping frequency response with extended frequency range up to 20 kHz, in comparison with the DRCBO 4 B NK increased tripping threshold of 420 mA, limit response delay 10 ms. Compact dimensions of just 2.5 module widths.

Accessories: wiring components DRCBO 4-busbars 2-pole, wiring components DRCBO 4-busbars 4-pole, auxiliary switches DRCBO 4 Hi 2
on Page: 56

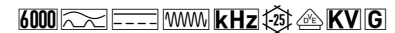
residual current operated circuit-breakers with integral overcurrent protection (RCBO)

mod. widths pack. units article No. EAN
(4014712...)

Type B+



residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 Type B+, 3+N-pole



AC/DC sensitive type B+, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, fire prevention up to 20 kHz

characteristic B

DRCBO 4 B06/0,03/3N-B+	6 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 301	265400
DRCBO 4 B06/0,10/3N-B+	6 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 351	265479
DRCBO 4 B06/0,30/3N-B+	6 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 311	265554
DRCBO 4 B10/0,03/3N-B+	10 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 302	265417
DRCBO 4 B10/0,10/3N-B+	10 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 352	265486
DRCBO 4 B10/0,30/3N-B+	10 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 312	265561
DRCBO 4 B13/0,03/3N-B+	13 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 303	265424
DRCBO 4 B13/0,10/3N-B+	13 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 353	265493
DRCBO 4 B13/0,30/3N-B+	13 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 313	265578
DRCBO 4 B16/0,03/3N-B+	16 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 304	265431
DRCBO 4 B16/0,10/3N-B+	16 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 354	265509
DRCBO 4 B16/0,30/3N-B+	16 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 314	265585
DRCBO 4 B20/0,03/3N-B+	20 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 305	265448
DRCBO 4 B20/0,10/3N-B+	20 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 355	265523
DRCBO 4 B20/0,30/3N-B+	20 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 315	265592
DRCBO 4 B25/0,03/3N-B+	25 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 306	265455
DRCBO 4 B25/0,10/3N-B+	25 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 356	265530
DRCBO 4 B25/0,30/3N-B+	25 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 316	265608
DRCBO 4 B32/0,03/3N-B+	32 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 307	265462
DRCBO 4 B32/0,10/3N-B+	32 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 357	265547
DRCBO 4 B32/0,30/3N-B+	32 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 317	265615

characteristic C

DRCBO 4 C06/0,03/3N-B+	6 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 321	265912
DRCBO 4 C06/0,10/3N-B+	6 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 371	265981
DRCBO 4 C06/0,30/3N-B+	6 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 331	266049
DRCBO 4 C10/0,03/3N-B+	10 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 322	265929
DRCBO 4 C10/0,10/3N-B+	10 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 372	265998
DRCBO 4 C10/0,30/3N-B+	10 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 332	266056
DRCBO 4 C13/0,03/3N-B+	13 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 323	265936
DRCBO 4 C13/0,10/3N-B+	13 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 373	266001
DRCBO 4 C13/0,30/3N-B+	13 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 333	266063
DRCBO 4 C16/0,03/3N-B+	16 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 324	265943
DRCBO 4 C16/0,10/3N-B+	16 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 374	266018
DRCBO 4 C16/0,30/3N-B+	16 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 334	266070
DRCBO 4 C20/0,03/3N-B+	20 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 325	265950
DRCBO 4 C20/0,10/3N-B+	20 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 375	267831
DRCBO 4 C20/0,30/3N-B+	20 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 335	266087
DRCBO 4 C25/0,03/3N-B+	25 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 326	265967
DRCBO 4 C25/0,10/3N-B+	25 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 376	266025
DRCBO 4 C25/0,30/3N-B+	25 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 336	266094
DRCBO 4 C32/0,03/3N-B+	32 A, $I_{\Delta n} = 0.03$ A	NEW	4.5	1	09 948 327	265974
DRCBO 4 C32/0,10/3N-B+	32 A, $I_{\Delta n} = 0.1$ A	NEW	4.5	1	09 948 377	266032
DRCBO 4 C32/0,30/3N-B+	32 A, $I_{\Delta n} = 0.3$ A	NEW	4.5	1	09 948 337	266100

Tripping frequency response with extended frequency range up to 20 kHz, in comparison with the DRCBO 4 B NK increased tripping threshold of 420 mA, limit response delay 10 ms. Compact dimensions of just 4.5 module widths.

Accessories: wiring components DRCBO 4-busbars 4-pole, auxiliary switches DRCBO 4 Hi z
on Page: 56

residual current operated circuit-breakers with integral overcurrent protection (RCBO)

Doepke

mod. pack. article No. EAN
widths units (4014712...)

Type A

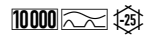


residual current operated circuit-breakers with integral overcurrent protection RCBO 1, Type A, 1-pole

sensitive to pulsating and alternating currents Type A

characteristic C

RCBO 1 C06/0,03/1-A	6 A, $I_{\Delta n} = 0.03$ A	1	1	09915811	209916
RCBO 1 C10/0,03/1-A	10 A, $I_{\Delta n} = 0.03$ A	1	1	09915812	209923
RCBO 1 C13/0,03/1-A	13 A, $I_{\Delta n} = 0.03$ A	1	1	09915813	209930
RCBO 1 C16/0,03/1-A	16 A, $I_{\Delta n} = 0.03$ A	1	1	09915814	209947
RCBO 1 C20/0,03/1-A	20 A, $I_{\Delta n} = 0.03$ A	1	1	09915815	209954
RCBO 1 C25/0,03/1-A	25 A, $I_{\Delta n} = 0.03$ A	1	1	09915816	209961
RCBO 1 C32/0,03/1-A	32 A, $I_{\Delta n} = 0.03$ A	1	1	09915817	209978
RCBO 1 C40/0,03/1-A	40 A, $I_{\Delta n} = 0.03$ A	1	1	09915818	209985
RCBO 1 C45/0,03/1-A	45 A, $I_{\Delta n} = 0.03$ A	1	1	09915819	209992



Type AC



residual current operated circuit-breakers with integral overcurrent protection RCBO 1 Type AC, 1-pole

sensitive to residual currents Type AC

characteristic B

RCBO 1 B06/0,03/1-AC	6 A, $I_{\Delta n} = 0.03$ A	1	1	09915821	210004
RCBO 1 B10/0,03/1-AC	10 A, $I_{\Delta n} = 0.03$ A	1	1	09915822	210011
RCBO 1 B13/0,03/1-AC	13 A, $I_{\Delta n} = 0.03$ A	1	1	09915823	210028
RCBO 1 B16/0,03/1-AC	16 A, $I_{\Delta n} = 0.03$ A	1	1	09915824	210035
RCBO 1 B20/0,03/1-AC	20 A, $I_{\Delta n} = 0.03$ A	1	1	09915825	210042
RCBO 1 B25/0,03/1-AC	25 A, $I_{\Delta n} = 0.03$ A	1	1	09915826	210059
RCBO 1 B32/0,03/1-AC	32 A, $I_{\Delta n} = 0.03$ A	1	1	09915827	210066
RCBO 1 B40/0,03/1-AC	40 A, $I_{\Delta n} = 0.03$ A	1	1	09915828	210073
RCBO 1 B45/0,03/1-AC	45 A, $I_{\Delta n} = 0.03$ A	1	1	09915829	210080

characteristic C

RCBO 1 C06/0,03/1-AC	6 A, $I_{\Delta n} = 0.03$ A	1	1	09915831	210097
RCBO 1 C10/0,03/1-AC	10 A, $I_{\Delta n} = 0.03$ A	1	1	09915832	210103
RCBO 1 C13/0,03/1-AC	13 A, $I_{\Delta n} = 0.03$ A	1	1	09915833	210110
RCBO 1 C16/0,03/1-AC	16 A, $I_{\Delta n} = 0.03$ A	1	1	09915834	210127
RCBO 1 C20/0,03/1-AC	20 A, $I_{\Delta n} = 0.03$ A	1	1	09915835	210134
RCBO 1 C25/0,03/1-AC	25 A, $I_{\Delta n} = 0.03$ A	1	1	09915836	210141
RCBO 1 C32/0,03/1-AC	32 A, $I_{\Delta n} = 0.03$ A	1	1	09915837	210158
RCBO 1 C40/0,03/1-AC	40 A, $I_{\Delta n} = 0.03$ A	1	1	09915838	210165
RCBO 1 C45/0,03/1-AC	45 A, $I_{\Delta n} = 0.03$ A	1	1	09915839	210172



residual current operated circuit-breakers with integral overcurrent protection (RCBO), accessories (RCBO)

mod. widths pack. units article No. EAN (4014712...)

Type A



residual current operated circuit-breakers with integral overcurrent protection RCBO 2, Type A, 2-pole

sensitive to pulsating and alternating currents Type A

characteristic B

RCBO 2 B06/0,03/2-A	6 A, $I_{\Delta n} = 0.03$ A	2	1	09957301	209046
RCBO 2 B10/0,03/2-A	10 A, $I_{\Delta n} = 0.03$ A	2	1	09957302	209060
RCBO 2 B13/0,03/2-A	13 A, $I_{\Delta n} = 0.03$ A	2	1	09957303	209084
RCBO 2 B15/0,03/2-A	15 A, $I_{\Delta n} = 0.03$ A	2	1	09957300	209107
RCBO 2 B16/0,03/2-A	16 A, $I_{\Delta n} = 0.03$ A	2	1	09957304	209121
RCBO 2 B20/0,03/2-A	20 A, $I_{\Delta n} = 0.03$ A	2	1	09957305	209145
RCBO 2 B25/0,03/2-A	25 A, $I_{\Delta n} = 0.03$ A	2	1	09957306	209169
RCBO 2 B32/0,03/2-A	32 A, $I_{\Delta n} = 0.03$ A	2	1	09957307	209183

characteristic C

RCBO 2 C06/0,03/2-A	6 A, $I_{\Delta n} = 0.03$ A	2	1	09957321	209206
RCBO 2 C10/0,03/2-A	10 A, $I_{\Delta n} = 0.03$ A	2	1	09957322	209220
RCBO 2 C13/0,03/2-A	13 A, $I_{\Delta n} = 0.03$ A	2	1	09957323	209244
RCBO 2 C15/0,03/2-A	15 A, $I_{\Delta n} = 0.03$ A	2	1	09957320	209268
RCBO 2 C16/0,03/2-A	16 A, $I_{\Delta n} = 0.03$ A	2	1	09957324	209282
RCBO 2 C20/0,03/2-A	20 A, $I_{\Delta n} = 0.03$ A	2	1	09957325	209305
RCBO 2 C25/0,03/2-A	25 A, $I_{\Delta n} = 0.03$ A	2	1	09957326	209329
RCBO 2 C32/0,03/2-A	32 A, $I_{\Delta n} = 0.03$ A	2	1	09957327	209343

Accessories

wiring components DRCBO busbars

Eurovario Busbars fork design 10 mm²



EV-S G 2.12.120	DRCBO 3	(L1, L2/N) x 6	12	1	09920115	021563
EV-S G 3.1+N.12.120	DRCBO 3	(L1+N, L2+N, L3+N) x 2	12	1	09920182	045958
EV-S G 4.12.120	DRCBO 4 A	(L1, L2, L3, N) x 3	12	1	09920123	021648
BG2.5.10	DRCBO 4 B/B+	(L, N) x 5	12	1	09920151	269712
BG4.2.10	DRCBO 4 B/B+	L1, L2, L3, N, L1, L2, L3, N	8.5	1	09920157	269774
BG4.3.10	DRCBO 4 B/B+	(L1, L2, L3, N) x 3	13	1	09920155	269750
BG4.5.10	DRCBO 4 B/B+	L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09920153	269736

Busbars with pin design and higher current-carrying capacity available upon request.

Accessories

auxiliary switches DHi/Hi

Auxiliary switches report the status of the main devices to which they are fitted.



DHi 12	2 CO, for DRCBO 3, DAFDD 1, ELS 3	0.5	1	09200031	242890
DRCBO 4 Hi 1	1 CO, Black knob	0.5	1	09200030	221437
DRCBO 4 Hi 2	1 CO, Blue knob	0.5	1	09200032	273740

Accessories

restart locks RH-SPE

Equipment which prevents the unintentional activation of switching devices, e.g. during maintenance work.



RH-SPE		1	09981115	252677
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Accessories

operating current trip FAM

Operating current trips for RCCB/MCB 1-pole+N design Type A, retro-fittable



FAM 1	for DRCBO 3	0.5	1	09950011	078529
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circuit-breakers with residual current trip (CBR)

mod. pack. article No. EAN
widths units (4014712...)

Type A



circuit-breakers with residual current trip DFL 8 A



pulsating AC/DC-sensitive Type A, for industrial applications and increased rated currents

DFL 8 100-4/0,03-A	100 A, $I_{\Delta n} = 0.03$ A	1	09164781	145481
DFL 8 125-4/0,03-A	125 A, $I_{\Delta n} = 0.03$ A	1	09174781	145528
DFL 8 160-4/0,03-A	160 A, $I_{\Delta n} = 0.03$ A	1	09184781	215849
DFL 8 200-4/0,03-A	200 A, $I_{\Delta n} = 0.03$ A	1	09204781	145603
DFL 8 250-4/0,03-A	250 A, $I_{\Delta n} = 0.03$ A	1	09214781	145641

4-pole, 400/690 V/ I_{cu} 50 kA, $I_{\Delta n}$ 0.03 A, function range for test device 280-690 V, adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$

Accessories: housing N-7
on Page: 58

Type A



circuit-breakers with residual current trip DFL 8 A X



pulsating AC/DC-sensitive Type A, for industrial applications and increased rated currents

DFL 8 100-4/X-A	100 A	1	09169781	145498
DFL 8 125-4/X-A	125 A	1	09179781	145535
DFL 8 160-4/X-A	160 A	1	09189781	145573
DFL 8 200-4/X-A	200 A	1	09209781	145610
DFL 8 250-4/X-A	250 A	1	09219781	145658

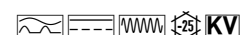
4-pole, 400/690 V/ I_{cu} 50 kA, $I_{\Delta n}$ adjustable 0.3/0.5/1.0/3 A, non-response lag time t_v adjustable 60/150/300/450 ms, function range for test device 280-690 V, adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$

Accessories: housing N-7
on Page: 58

Type B



circuit-breakers with residual current trip DFL 8 B SK



AC/DC-sensitive Type B, increased surge current strength

DFL 8 100-4/0,03-B SK	100 A, $I_{\Delta n} = 0.03$ A	1	09164784	153691
DFL 8 125-4/0,03-B SK	125 A, $I_{\Delta n} = 0.03$ A	1	09174784	153707
DFL 8 160-4/0,03-B SK	160 A, $I_{\Delta n} = 0.03$ A	1	09184784	153714
DFL 8 200-4/0,03-B SK	200 A, $I_{\Delta n} = 0.03$ A	1	09204784	153721
DFL 8 250-4/0,03-B SK	250 A, $I_{\Delta n} = 0.03$ A	1	09214784	153738

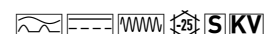
0-150 kHz, $I_{\Delta n}$ 0.03 A, function range for test device 50-400 V, adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$

Accessories: housing N-7
on Page: 58

Type B



circuit-breakers with residual current trip DFL 8 B SK X



AC/DC-sensitive Type B, increased surge current strength

DFL 8 100-4/X-B SK	100 A	1	09169784	153547
DFL 8 125-4/X-B SK	125 A	1	09179784	153554
DFL 8 160-4/X-B SK	160 A	1	09189784	153561
DFL 8 200-4/X-B SK	200 A	1	09209784	153578
DFL 8 250-4/X-B SK	250 A	1	09219784	153585

0-150 kHz, $I_{\Delta n}$ adjustable 0.3-0.5-1.0 A, non-response lag time t_v adjustable 60/150/300/450 ms (adjustable), adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$, function range for test device 50 V - 440 V

Accessories: housing N-7
on Page: 58

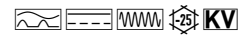
circuit-breakers with residual current trip (CBR), accessories (CBR)

mod. pack. article No. EAN
widths units (4014712...)

Type B



circuit-breakers with residual current trip DFL 8 B SK V



AC/DC-sensitive Type B, increased surge current strength

DFL 8 160-4/0,03-B SK V500	160 A	1	09184774	217195
DFL 8 200-4/0,03-B SK V500	200 A	1	09204774	237865

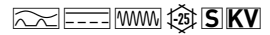
0-150 kHz, $I_{\Delta n}$ 0.03 A, non-response lag time t_v adjustable 60/150/300/450 ms (adjustable), adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$, function range for test device 50 V - 550 V

Accessories: housing N-7
on Page: 58

Type B



circuit-breakers with residual current trip DFL 8 B SK X V



AC/DC-sensitive Type B, increased surge current strength

DFL 8 200-4/X-B SK V500	200 A	1	09209774	236783
DFL 8 250-4/X-B SK V500	250 A	1	09219774	209657

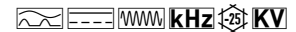
0-150 kHz, $I_{\Delta n}$ adjustable 0.3-0.5-1.0 A, non-response lag time t_v adjustable 60/150/300/450 ms (adjustable), adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$, function range for test device 50 V - 550 V

Accessories: housing N-7
on Page: 58

Type B



circuit-breakers with residual current trip DFL 8 B NK



AC/DC-sensitive Type B, increased surge current strength, fire protection up to 150 kHz

DFL 8 100-4/0,03-B NK	100 A, $I_{\Delta n} = 0.03$ A	1	09164783	153646
DFL 8 125-4/0,03-B NK	125 A, $I_{\Delta n} = 0.03$ A	1	09174783	153653
DFL 8 160-4/0,03-B NK	160 A, $I_{\Delta n} = 0.03$ A	1	09184783	153660
DFL 8 200-4/0,03-B NK	200 A, $I_{\Delta n} = 0.03$ A	1	09204783	153677
DFL 8 250-4/0,03-B NK	250 A, $I_{\Delta n} = 0.03$ A	1	09214783	153684

0 - 150 kHz, $I_{\Delta n}$ 0.03 A, function range for test device 50-400 V, adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$

Accessories: housing N-7
on Page: 58

Type B



circuit-breakers with residual current trip DFL 8 B NK X



AC/DC-sensitive Type B, increased surge current strength, fire protection up to 150 kHz

DFL 8 100-4/X-B NK	100 A	1	09169783	153592
DFL 8 125-4/X-B NK	125 A	1	09179783	153608
DFL 8 160-4/X-B NK	160 A	1	09189783	153615
DFL 8 200-4/X-B NK	200 A	1	09209783	153622
DFL 8 250-4/X-B NK	250 A	1	09219783	153639

$I_{\Delta n}$ adjustable 0.3-0.5-1.0 A, fire protection at $I_{\Delta n}$ 0.3 A up to 150 kHz, non-response lag time t_v adjustable 60/150/300/450 ms, function range for test device 50-400 V, adjustment range for overload trip $0.8-1 \times I_n$, adjustment range for short-circuit trip $6-10 \times I_n$

Accessories: housing N-7
on Page: 58

Accessories

housing N-7



For circuit-breakers with residual current trip DFL 8

N-7-Gehäuse	1	09200028	075412
IP54, lockable, bracket diameter max. 6 mm			

residual current monitors (RCM), accessories (RCM)

mod. pack. article No. EAN
widths units (4014712...)

Type A

residual current monitors DRCM Type A



uses 10-way LED display to show the current residual current, external connection of transformer from DCT A series

DRCM 1 A	adjustable	4	1	09340250	199538
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Supply voltage 85 V - 264 V AC/50 – 60 Hz, pulsating AC/DC-sensitive Type A, pre/main alarm 1 changeover contact each

Accessories: residual current transformer DCT Type A, AC
on Page: 59

Type A

residual current monitors DCTR Type A



Detects the current discharge/residual currents and produces these proportionally as a 4-20-mA signal.

DCTR A 020/0,30-I	20 mm, I _{Δn} = 0,3 A	1	09342621	237490
DCTR A 035/0,30-I	35 mm, I _{Δn} = 0,3 A	1	09342631	220416
DCTR A 070/0,30-I	70 mm, I _{Δn} = 0,3 A	1	09342641	220430
DCTR A 105/0,30-I	105 mm, I _{Δn} = 0,3 A	1	09342651	237483

Power supply 24 V DC, potential-free CO contact, operation indication by LED

Type B

residual current monitors DCTR Type B NK



detects the current differential current (residual current) and reports the offset to the rated residual current by 4-20 mA signal

DCTR B NK 020/0,30-I	20 mm, I _{Δn} = 0,3 A	1	09344622	238343
DCTR B NK 035/0,30-I	35 mm, I _{Δn} = 0,3 A	1	09344632	220454
DCTR B NK 070/0,30-I	70 mm, I _{Δn} = 0,3 A	1	09344642	220478

24 V DC supply, potential-free changeover contact, LED operating conditions display, detection range from 0 Hz to 100 kHz.

Type B

residual current monitors DCTR Typ B-X Hz, PoE



Detects the current discharge/residual currents and produces these proportionally via Ethernet.

DCTR B-X Hz 035-PoE	35 mm, I _{Δn} = up to 30 A	NEW	1	09344937	249981
DCTR B-X Hz 070-PoE	70 mm, I _{Δn} = up to 30 A	NEW	1	09344947	249998

The DCTR-Manager software is required to configure the frequency ranges to be analysed, and to smoothly adjust the two response thresholds for the signal contacts. Supply 24 V DC over PoE or power adapter, two potential-free changeover contacts, operating status indicator with LED, range detected: 0 Hz to 100 kHz.

Accessories: interfaces Gateway
on Page: 59

Accessories

residual current transformer DCT A



for combination with a DMRC 1A/DRCM 1A

DCT A-020	20 mm	1	09340320	241022
DCT A-035	35 mm	1	09340321	241039
DCT A-070	70 mm	1	09340322	241046
DCT A-105	105 mm	1	09340323	241053

pulsating AC/DC-sensitive Type A

Accessories

interfaces e.Guard Gateway



Interface for local and cloud-based data recording and storage. System components of e.Guard

e.Guard Gateway		1	09344989	272958
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Operating voltage: 24 V, Ethernet interface, operating state display via 3 LEDs

residual current transformer, miniature circuit-breakers (MCB)

mod. widths 1 pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 1-pole



for commercial sector applications, 6 kA

B-characteristic

1-pole

DLS 6h B6-1	6 A	1	1/12	09914 019	161726
DLS 6h B10-1	10 A	1	1/12	09914 021	161740
DLS 6h B13-1	13 A	1	1/12	09914 022	161757
DLS 6h B16-1	16 A	1	1/12	09914 023	161764
DLS 6h B20-1	20 A	1	1/12	09914 024	161771
DLS 6h B25-1	25 A	1	1/12	09914 025	161788
DLS 6h B32-1	32 A	1	1/12	09914 026	161795

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 1-pole+N



for commercial sector applications, 6 kA

B-characteristic

1-pole+N

DLS 6h B6-1+N	6 A	2	1/6	09914 049	161948
DLS 6h B10-1+N	10 A	2	1/6	09914 051	161962
DLS 6h B13-1+N	13 A	2	1/6	09914 052	161979
DLS 6h B16-1+N	16 A	2	1/6	09914 053	161986
DLS 6h B20-1+N	20 A	2	1/6	09914 054	161993
DLS 6h B25-1+N	25 A	2	1/6	09914 055	210271
DLS 6h B32-1+N	32 A	2	1/6	09914 056	210288

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 2-pole



for commercial sector applications, 6 kA

B-characteristic

2-pole

DLS 6h B6-2	6 A	2	1/6	09914 079	162167
DLS 6h B10-2	10 A	2	1/6	09914 081	162181
DLS 6h B13-2	13 A	2	1/6	09914 082	162198
DLS 6h B16-2	16 A	2	1/6	09914 083	162204
DLS 6h B20-2	20 A	2	1/6	09914 084	162211
DLS 6h B25-2	25 A	2	1/6	09914 085	162228
DLS 6h B32-2	32 A	2	1/6	09914 086	162235

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 3-pole

for commercial sector applications, 6 kA

B-characteristic

3-pole

DLS 6h B6-3	6 A	3	1/4	09914109	162389
DLS 6h B10-3	10 A	3	1/4	09914111	162402
DLS 6h B13-3	13 A	3	1/4	09914112	162419
DLS 6h B16-3	16 A	3	1/4	09914113	162426
DLS 6h B20-3	20 A	3	1/4	09914114	162433
DLS 6h B25-3	25 A	3	1/4	09914115	162440
DLS 6h B32-3	32 A	3	1/4	09914116	162457

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 3-pole+N

for commercial sector applications, 6 kA

B-characteristic

3-pole+N

DLS 6h B6-3+N	6 A	4	1/3	09914139	210295
DLS 6h B10-3+N	10 A	4	1/3	09914141	162624
DLS 6h B13-3+N	13 A	4	1/3	09914142	162631
DLS 6h B16-3+N	16 A	4	1/3	09914143	162648
DLS 6h B20-3+N	20 A	4	1/3	09914144	162655
DLS 6h B25-3+N	25 A	4	1/3	09914145	162662
DLS 6h B32-3+N	32 A	4	1/3	09914146	162679

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6h, B-characteristic, 4-pole

for commercial sector applications, 6 kA

B-characteristic

4-pole

DLS 6h B10-4	10 A	4	1/3	09914171	162846
DLS 6h B16-4	16 A	4	1/3	09914173	162860
DLS 6h B20-4	20 A	4	1/3	09914174	162877

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6h, C-characteristic, 1-pole

for commercial sector applications, 6 kA

C-characteristic

1-pole

DLS 6h C6-1	6 A	1	1/12	09914199	163041
DLS 6h C10-1	10 A	1	1/12	09914201	163065
DLS 6h C13-1	13 A	1	1/12	09914202	163072
DLS 6h C16-1	16 A	1	1/12	09914203	163089
DLS 6h C20-1	20 A	1	1/12	09914204	163096
DLS 6h C25-1	25 A	1	1/12	09914205	163102
DLS 6h C32-1	32 A	1	1/12	09914206	163119

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6h, C-characteristic, 1-pole+N

for commercial sector applications, 6 kA

C-characteristic

1-pole+N

DLS 6h C6-1+N	6 A	2	1/6	09914229	163263
DLS 6h C10-1+N	10 A	2	1/6	09914231	163287
DLS 6h C13-1+N	13 A	2	1/6	09914232	163294
DLS 6h C16-1+N	16 A	2	1/6	09914233	163300
DLS 6h C20-1+N	20 A	2	1/6	09914234	163317
DLS 6h C25-1+N	25 A	2	1/6	09914235	163324
DLS 6h C32-1+N	32 A	2	1/6	09914236	163331

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**



6 kA



miniature circuit-breakers DLS 6h C-characteristic, 2-pole

for commercial sector applications, 6 kA

C-characteristic

2-pole

DLS 6h C6-2	6 A	2	1/6	09914259	163485
DLS 6h C10-2	10 A	2	1/6	09914261	163508
DLS 6h C13-2	13 A	2	1/6	09914262	210349
DLS 6h C16-2	16 A	2	1/6	09914263	163522
DLS 6h C20-2	20 A	2	1/6	09914264	163539
DLS 6h C25-2	25 A	2	1/6	09914265	163546
DLS 6h C32-2	32 A	2	1/6	09914266	163553

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**



6 kA



miniature circuit-breakers DLS 6h, C-characteristic, 3-pole

for commercial sector applications, 6 kA

C-characteristic

3-pole

DLS 6h C6-3	6 A	3	1/4	09914289	163706
DLS 6h C10-3	10 A	3	1/4	09914291	163720
DLS 6h C13-3	13 A	3	1/4	09914292	163737
DLS 6h C16-3	16 A	3	1/4	09914293	163744
DLS 6h C20-3	20 A	3	1/4	09914294	163751
DLS 6h C25-3	25 A	3	1/4	09914295	163768

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**



miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6h, C-characteristic, 3-pole+N

for commercial sector applications, 6 kA

C-characteristic

3-pole+N

DLS 6h C6-3+N	6 A	4	1/3	09914319	163928
DLS 6h C10-3+N	10 A	4	1/3	09914321	163942
DLS 6h C13-3+N	13 A	4	1/3	09914322	163959
DLS 6h C16-3+N	16 A	4	1/3	09914323	163966
DLS 6h C20-3+N	20 A	4	1/3	09914324	163973
DLS 6h C25-3+N	25 A	4	1/3	09914325	163980
DLS 6h C32-3+N	32 A	4	1/3	09914326	163997

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6h, C-characteristic, 4-pole

for commercial sector applications, 6 kA

C-characteristic

4-pole

DLS 6h C16-4	16 A	4	1/3	09914353	164185
DLS 6h C20-4	20 A	4	1/3	09914354	164192
DLS 6h C25-4	25 A	4	1/3	09914355	164208
DLS 6h C32-4	32 A	4	1/3	09914356	164215

16 A with VDE certification. Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6hdc, B-characteristic, 1-pole

for DC circuits, 6 kA

B-characteristic

1-pole

DLS 6hdc B2-1	2 A	1	1/12	09912013	959095
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Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6hdc, B-characteristic, 2-pole

for DC circuits, 6 kA

B-characteristic

2-pole

DLS 6hdc B2-2	2 A	2	1/6	09912073	959750
DLS 6hdc B4-2	4 A	2	1/6	09912077	959873
DLS 6hdc B6-2	6 A	2	1/6	09912079	959934
DLS 6hdc B10-2	10 A	2	1/6	09912081	959996
DLS 6hdc B16-2	16 A	2	1/6	09912083	960053
DLS 6hdc B20-2	20 A	2	1/6	09912084	960084
DLS 6hdc B25-2	25 A	2	1/6	09912085	960114
DLS 6hdc B32-2	32 A	2	1/6	09912086	960145

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6hdc, C-characteristic, 1-pole

6000 25

for DC circuits, 6 kA

C-characteristic

1-pole

DLS 6hdc C2-1	2 A	1	1/12	09912193	960411
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Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: [100](#), [101](#)

6 kA



miniature circuit-breakers DLS 6hdc, C-characteristic, 2-pole

6000 25

for DC circuits, 6 kA

C-characteristic

2-pole

DLS 6hdc C2-2	2 A	2	1/6	09912253	961074
DLS 6hdc C4-2	4 A	2	1/6	09912257	961197
DLS 6hdc C6-2	6 A	2	1/6	09912259	961258
DLS 6hdc C10-2	10 A	2	1/6	09912261	961319
DLS 6hdc C16-2	16 A	2	1/6	09912263	961371
DLS 6hdc C20-2	20 A	2	1/6	09912264	961401
DLS 6hdc C25-2	25 A	2	1/6	09912265	961432
DLS 6hdc C32-2	32 A	2	1/6	09912266	961463

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: [100](#), [101](#)

6 kA



miniature circuit-breakers DLS 6hsl, B-characteristic, 1-pole

6000 25 / 6000 25

for commercial sector applications, screw-less, 6 kA

B-characteristic

1-pole

DLS 6hsl B6-1	6 A	1	1/12	09917019	189447
DLS 6hsl B10-1	10 A	1	1/12	09917021	189461
DLS 6hsl B13-1	13 A	1	1/12	09917022	189478
DLS 6hsl B16-1	16 A	1	1/12	09917023	189485
DLS 6hsl B20-1	20 A	1	1/12	09917024	189492

16 A with VDE certification.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: [100](#), [101](#)

6 kA



miniature circuit-breakers DLS 6hsl, B-characteristic, 3-pole

6000 25 / 6000 25

for commercial sector applications, screw-less, 6 kA

B-characteristic

3-pole

DLS 6hsl B6-3	6 A	1	1/4	09917109	190108
DLS 6hsl B10-3	10 A	1	1/4	09917111	190122
DLS 6hsl B13-3	13 A	1	1/4	09917112	190139
DLS 6hsl B16-3	16 A	1	1/4	09917113	190146
DLS 6hsl B20-3	20 A	1	1/4	09917114	190153

16 A with VDE certification.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: [100](#), [101](#)

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers DLS 6hsl, C-characteristic, 1-pole

6000 1-25 / 6000 1-25

for commercial sector applications, screw-less, 6 kA

C-characteristic

1-pole

DLS 6hsl C6-1	6 A	1	1/12	09917199	190764
DLS 6hsl C10-1	10 A	1	1/12	09917201	190788
DLS 6hsl C13-1	13 A	1	1/12	09917202	190795
DLS 6hsl C16-1	16 A	1	1/12	09917203	190801
DLS 6hsl C20-1	20 A	1	1/12	09917204	190818

16 A with VDE certification.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6hsl, C-characteristic, 3-pole

6000 1-25 / 6000 1-25

for commercial sector applications, screw-less, 6 kA

C-characteristic

3-pole

DLS 6hsl C6-3	6 A	1	1/4	09917289	191426
DLS 6hsl C10-3	10 A	1	1/4	09917291	191440
DLS 6hsl C13-3	13 A	1	1/4	09917292	191457
DLS 6hsl C16-3	16 A	1	1/4	09917293	191464
DLS 6hsl C20-3	20 A	1	1/4	09917294	191471

16 A with VDE certification.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

10 kA



miniature circuit-breakers DLS 6i, B-characteristic, 1-pole

10000 1-25

for industrial facilities, 10 kA

B-characteristic

1-pole

DLS 6i B1-1	1 A	1	1/12	09916011	169562
DLS 6i B1,6-1	1.6 A	1	1/12	09916012	169579
DLS 6i B2-1	2 A	1	1/12	09916013	169586
DLS 6i B2,5-1	2.5 A	1	1/12	09916014	169593
DLS 6i B3-1	3 A	1	1/12	09916015	169609
DLS 6i B3,5-1	3.5 A	1	1/12	09916016	169616
DLS 6i B4-1	4 A	1	1/12	09916017	169623
DLS 6i B5-1	5 A	1	1/12	09916018	169630
DLS 6i B6-1	6 A	1	1/12	09916019	169647
DLS 6i B8-1	8 A	1	1/12	09916020	169654
DLS 6i B10-1	10 A	1	1/12	09916021	169661
DLS 6i B13-1	13 A	1	1/12	09916022	169678
DLS 6i B16-1	16 A	1	1/12	09916023	169685
DLS 6i B20-1	20 A	1	1/12	09916024	169692
DLS 6i B25-1	25 A	1	1/12	09916025	169708
DLS 6i B32-1	32 A	1	1/12	09916026	169715
DLS 6i B40-1	40 A	1	1/12	09916027	169722
DLS 6i B50-1	50 A	1	1/12	09916028	169739
DLS 6i B63-1	63 A	1	1/12	09916029	169746

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, B-characteristic, 1-pole+N



for industrial facilities, 10 kA

B-characteristic

1-pole+N

DLS 6i B1-1+N	1 A	2	1/6	09916041	169784
DLS 6i B1,6-1+N	1.6 A	2	1/6	09916042	169791
DLS 6i B2-1+N	2 A	2	1/6	09916043	169807
DLS 6i B2,5-1+N	2.5 A	2	1/6	09916044	169814
DLS 6i B3-1+N	3 A	2	1/6	09916045	169821
DLS 6i B3,5-1+N	3.5 A	2	1/6	09916046	169838
DLS 6i B4-1+N	4 A	2	1/6	09916047	169845
DLS 6i B5-1+N	5 A	2	1/6	09916048	169852
DLS 6i B6-1+N	6 A	2	1/6	09916049	169869
DLS 6i B8-1+N	8 A	2	1/6	09916050	169876
DLS 6i B10-1+N	10 A	2	1/6	09916051	169883
DLS 6i B13-1+N	13 A	2	1/6	09916052	169890
DLS 6i B16-1+N	16 A	2	1/6	09916053	169906
DLS 6i B20-1+N	20 A	2	1/6	09916054	169913
DLS 6i B25-1+N	25 A	2	1/6	09916055	169920
DLS 6i B32-1+N	32 A	2	1/6	09916056	169937
DLS 6i B40-1+N	40 A	2	1/6	09916057	169944
DLS 6i B50-1+N	50 A	2	1/6	09916058	169951
DLS 6i B63-1+N	63 A	2	1/6	09916059	169968

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

10 kA



miniature circuit-breakers DLS 6i, B-characteristic, 2-pole



for industrial facilities, 10 kA

B-characteristic

2-pole

DLS 6i B1-2	1 A	2	1/6	09916071	170001
DLS 6i B1,6-2	1.6 A	2	1/6	09916072	170018
DLS 6i B2-2	2 A	2	1/6	09916073	170025
DLS 6i B2,5-2	2.5 A	2	1/6	09916074	170032
DLS 6i B3-2	3 A	2	1/6	09916075	170049
DLS 6i B3,5-2	3.5 A	2	1/6	09916076	170056
DLS 6i B4-2	4 A	2	1/6	09916077	170063
DLS 6i B5-2	5 A	2	1/6	09916078	170070
DLS 6i B6-2	6 A	2	1/6	09916079	170087
DLS 6i B8-2	8 A	2	1/6	09916080	170094
DLS 6i B10-2	10 A	2	1/6	09916081	170100
DLS 6i B13-2	13 A	2	1/6	09916082	170117
DLS 6i B16-2	16 A	2	1/6	09916083	170124
DLS 6i B20-2	20 A	2	1/6	09916084	170131
DLS 6i B25-2	25 A	2	1/6	09916085	170148
DLS 6i B32-2	32 A	2	1/6	09916086	170155
DLS 6i B40-2	40 A	2	1/6	09916087	170162
DLS 6i B50-2	50 A	2	1/6	09916088	170179
DLS 6i B63-2	63 A	2	1/6	09916089	170186

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, B-characteristic, 3-pole



for industrial facilities, 10 kA

B-characteristic

3-pole

DLS 6i B1-3	1 A	3	1/4	09916101	170223
DLS 6i B1,6-3	1.6 A	3	1/4	09916102	210370
DLS 6i B2-3	2 A	3	1/4	09916103	170247
DLS 6i B2,5-3	2.5 A	3	1/4	09916104	170254
DLS 6i B3-3	3 A	3	1/4	09916105	170261
DLS 6i B3,5-3	3.5 A	3	1/4	09916106	170278
DLS 6i B4-3	4 A	3	1/4	09916107	170285
DLS 6i B5-3	5 A	3	1/4	09916108	170292
DLS 6i B6-3	6 A	3	1/4	09916109	170308
DLS 6i B8-3	8 A	3	1/4	09916110	170315
DLS 6i B10-3	10 A	3	1/4	09916111	170322
DLS 6i B13-3	13 A	3	1/4	09916112	170339
DLS 6i B16-3	16 A	3	1/4	09916113	170346
DLS 6i B20-3	20 A	3	1/4	09916114	170353
DLS 6i B25-3	25 A	3	1/4	09916115	170360
DLS 6i B32-3	32 A	3	1/4	09916116	170377
DLS 6i B40-3	40 A	3	1/4	09916117	170384
DLS 6i B50-3	50 A	3	1/4	09916118	170391
DLS 6i B63-3	63 A	3	1/4	09916119	170407

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

10 kA



miniature circuit-breakers DLS 6i, B-characteristic, 3-pole+N



for industrial facilities, 10 kA

B-characteristic

3-pole+N

DLS 6i B1-3+N	1 A	4	1/3	09916131	170445
DLS 6i B1,6-3+N	1.6 A	4	1/3	09916132	170452
DLS 6i B2-3+N	2 A	4	1/3	09916133	170469
DLS 6i B2,5-3+N	2.5 A	4	1/3	09916134	170476
DLS 6i B3-3+N	3 A	4	1/3	09916135	170483
DLS 6i B3,5-3+N	3.5 A	4	1/3	09916136	170490
DLS 6i B4-3+N	4 A	4	1/3	09916137	170506
DLS 6i B5-3+N	5 A	4	1/3	09916138	170513
DLS 6i B6-3+N	6 A	4	1/3	09916139	170520
DLS 6i B8-3+N	8 A	4	1/3	09916140	210387
DLS 6i B10-3+N	10 A	4	1/3	09916141	170544
DLS 6i B13-3+N	13 A	4	1/3	09916142	170551
DLS 6i B16-3+N	16 A	4	1/3	09916143	170568
DLS 6i B20-3+N	20 A	4	1/3	09916144	170575
DLS 6i B25-3+N	25 A	4	1/3	09916145	170582
DLS 6i B32-3+N	32 A	4	1/3	09916146	170599
DLS 6i B40-3+N	40 A	4	1/3	09916147	170605
DLS 6i B50-3+N	50 A	4	1/3	09916148	170612
DLS 6i B63-3+N	63 A	4	1/3	09916149	170629

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA

miniature circuit-breakers DLS 6i, B-characteristic, 4-pole



for industrial facilities, 10 kA

B-characteristic

4-pole

DLS 6i B1-4	1 A	4	1/3	09916161	170667
DLS 6i B1,6-4	1.6 A	4	1/3	09916162	170674
DLS 6i B2-4	2 A	4	1/3	09916163	170681
DLS 6i B2,5-4	2.5 A	4	1/3	09916164	170698
DLS 6i B3-4	3 A	4	1/3	09916165	170704
DLS 6i B3,5-4	3.5 A	4	1/3	09916166	170711
DLS 6i B4-4	4 A	4	1/3	09916167	170728
DLS 6i B5-4	5 A	4	1/3	09916168	170735
DLS 6i B6-4	6 A	4	1/3	09916169	170742
DLS 6i B8-4	8 A	4	1/3	09916170	170759
DLS 6i B10-4	10 A	4	1/3	09916171	170766
DLS 6i B13-4	13 A	4	1/3	09916172	170773
DLS 6i B16-4	16 A	4	1/3	09916173	170780
DLS 6i B20-4	20 A	4	1/3	09916174	170797
DLS 6i B25-4	25 A	4	1/3	09916175	170803
DLS 6i B32-4	32 A	4	1/3	09916176	170810
DLS 6i B40-4	40 A	4	1/3	09916177	170827
DLS 6i B50-4	50 A	4	1/3	09916178	170834
DLS 6i B63-4	63 A	4	1/3	09916179	170841

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, C-characteristic, 1-pole



for industrial facilities, 10 kA

C-characteristic

1-pole

DLS 6i C0,3-1	0.3 A	1	1/12	09916188	170858
DLS 6i C0,5-1	0.5 A	1	1/12	09916189	170865
DLS 6i C0,8-1	0.8 A	1	1/12	09916190	170872
DLS 6i C1-1	1 A	1	1/12	09916191	170889
DLS 6i C1,6-1	1.6 A	1	1/12	09916192	170896
DLS 6i C2-1	2 A	1	1/12	09916193	170902
DLS 6i C2,5-1	2.5 A	1	1/12	09916194	170919
DLS 6i C3-1	3 A	1	1/12	09916195	170926
DLS 6i C3,5-1	3.5 A	1	1/12	09916196	170933
DLS 6i C4-1	4 A	1	1/12	09916197	170940
DLS 6i C5-1	5 A	1	1/12	09916198	170957
DLS 6i C6-1	6 A	1	1/12	09916199	170964
DLS 6i C8-1	8 A	1	1/12	09916200	170971
DLS 6i C10-1	10 A	1	1/12	09916201	170988
DLS 6i C13-1	13 A	1	1/12	09916202	170995
DLS 6i C16-1	16 A	1	1/12	09916203	171008
DLS 6i C20-1	20 A	1	1/12	09916204	171015
DLS 6i C25-1	25 A	1	1/12	09916205	171022
DLS 6i C32-1	32 A	1	1/12	09916206	171039
DLS 6i C40-1	40 A	1	1/12	09916207	171046
DLS 6i C50-1	50 A	1	1/12	09916208	171053
DLS 6i C63-1	63 A	1	1/12	09916209	171060

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, C-characteristic, 1-pole+N



for industrial facilities, 10 kA

C-characteristic

1-pole+N

DLS 6i C0,3-1+N	0.3 A	2	1/6	09916218	171077
DLS 6i C0,5-1+N	0.5 A	2	1/6	09916219	171084
DLS 6i C0,8-1+N	0.8 A	2	1/6	09916220	171091
DLS 6i C1-1+N	1 A	2	1/6	09916221	171107
DLS 6i C1,6-1+N	1.6 A	2	1/6	09916222	171114
DLS 6i C2-1+N	2 A	2	1/6	09916223	247888
DLS 6i C2,5-1+N	2.5 A	2	1/6	09916224	171138
DLS 6i C3-1+N	3 A	2	1/6	09916225	171145
DLS 6i C3,5-1+N	3.5 A	2	1/6	09916226	171152
DLS 6i C4-1+N	4 A	2	1/6	09916227	171169
DLS 6i C5-1+N	5 A	2	1/6	09916228	171176
DLS 6i C6-1+N	6 A	2	1/6	09916229	171183
DLS 6i C8-1+N	8 A	2	1/6	09916230	171190
DLS 6i C10-1+N	10 A	2	1/6	09916231	171206
DLS 6i C13-1+N	13 A	2	1/6	09916232	171213
DLS 6i C16-1+N	16 A	2	1/6	09916233	171220
DLS 6i C20-1+N	20 A	2	1/6	09916234	171237
DLS 6i C25-1+N	25 A	2	1/6	09916235	171244
DLS 6i C32-1+N	32 A	2	1/6	09916236	171251
DLS 6i C40-1+N	40 A	2	1/6	09916237	171268
DLS 6i C50-1+N	50 A	2	1/6	09916238	171275
DLS 6i C63-1+N	63 A	2	1/6	09916239	171282

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, C-characteristic, 2-pole



for industrial facilities, 10 kA

C-characteristic

2-pole

DLS 6i C0,3-2	0.3 A	2	1/6	09916248	171299
DLS 6i C0,5-2	0.5 A	2	1/6	09916249	171305
DLS 6i C0,8-2	0.8 A	2	1/6	09916250	171312
DLS 6i C1-2	1 A	2	1/6	09916251	171329
DLS 6i C1,6-2	1.6 A	2	1/6	09916252	171336
DLS 6i C2-2	2 A	2	1/6	09916253	171343
DLS 6i C2,5-2	2.5 A	2	1/6	09916254	171350
DLS 6i C3-2	3 A	2	1/6	09916255	171367
DLS 6i C3,5-2	3.5 A	2	1/6	09916256	171374
DLS 6i C4-2	4 A	2	1/6	09916257	171381
DLS 6i C5-2	5 A	2	1/6	09916258	171398
DLS 6i C6-2	6 A	2	1/6	09916259	171404
DLS 6i C8-2	8 A	2	1/6	09916260	171411
DLS 6i C10-2	10 A	2	1/6	09916261	171428
DLS 6i C13-2	13 A	2	1/6	09916262	171435
DLS 6i C16-2	16 A	2	1/6	09916263	171442
DLS 6i C20-2	20 A	2	1/6	09916264	171459
DLS 6i C25-2	25 A	2	1/6	09916265	171466
DLS 6i C32-2	32 A	2	1/6	09916266	171473
DLS 6i C40-2	40 A	2	1/6	09916267	171480
DLS 6i C50-2	50 A	2	1/6	09916268	171497
DLS 6i C63-2	63 A	2	1/6	09916269	171503

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, C-characteristic, 3-pole



for industrial facilities, 10 kA

C-characteristic

3-pole

DLS 6i C0,3-3	0.3 A	3	1/4	09916278	171510
DLS 6i C0,5-3	0.5 A	3	1/4	09916279	171527
DLS 6i C0,8-3	0.8 A	3	1/4	09916280	171534
DLS 6i C1-3	1 A	3	1/4	09916281	171541
DLS 6i C1,6-3	1.6 A	3	1/4	09916282	171558
DLS 6i C2-3	2 A	3	1/4	09916283	171565
DLS 6i C2,5-3	2.5 A	3	1/4	09916284	171572
DLS 6i C3-3	3 A	3	1/4	09916285	171589
DLS 6i C3,5-3	3.5 A	3	1/4	09916286	171596
DLS 6i C4-3	4 A	3	1/4	09916287	171602
DLS 6i C5-3	5 A	3	1/4	09916288	171619
DLS 6i C6-3	6 A	3	1/4	09916289	171626
DLS 6i C8-3	8 A	3	1/4	09916290	171633
DLS 6i C10-3	10 A	3	1/4	09916291	171640
DLS 6i C13-3	13 A	3	1/4	09916292	171657
DLS 6i C16-3	16 A	3	1/4	09916293	171664
DLS 6i C20-3	20 A	3	1/4	09916294	171671
DLS 6i C25-3	25 A	3	1/4	09916295	171688
DLS 6i C32-3	32 A	3	1/4	09916296	171695
DLS 6i C40-3	40 A	3	1/4	09916297	171701
DLS 6i C50-3	50 A	3	1/4	09916298	171718
DLS 6i C63-3	63 A	3	1/4	09916299	171725

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, C-characteristic, 3-pole+N



for industrial facilities, 10 kA

C-characteristic

3-pole+N

DLS 6i C0,3-3+N	0.3 A	4	1/3	09916308	171732
DLS 6i C0,5-3+N	0.5 A	4	1/3	09916309	171749
DLS 6i C0,8-3+N	0.8 A	4	1/3	09916310	171756
DLS 6i C1-3+N	1 A	4	1/3	09916311	171763
DLS 6i C1,6-3+N	1.6 A	4	1/3	09916312	171770
DLS 6i C2-3+N	2 A	4	1/3	09916313	171787
DLS 6i C2,5-3+N	2.5 A	4	1/3	09916314	171794
DLS 6i C3-3+N	3 A	4	1/3	09916315	171800
DLS 6i C3,5-3+N	3.5 A	4	1/3	09916316	171817
DLS 6i C4-3+N	4 A	4	1/3	09916317	171824
DLS 6i C5-3+N	5 A	4	1/3	09916318	171831
DLS 6i C6-3+N	6 A	4	1/3	09916319	171848
DLS 6i C8-3+N	8 A	4	1/3	09916320	171855
DLS 6i C10-3+N	10 A	4	1/3	09916321	171862
DLS 6i C13-3+N	13 A	4	1/3	09916322	171879
DLS 6i C16-3+N	16 A	4	1/3	09916323	171886
DLS 6i C20-3+N	20 A	4	1/3	09916324	171893
DLS 6i C25-3+N	25 A	4	1/3	09916325	171909
DLS 6i C32-3+N	32 A	4	1/3	09916326	171916
DLS 6i C40-3+N	40 A	4	1/3	09916327	171923
DLS 6i C50-3+N	50 A	4	1/3	09916328	171930
DLS 6i C63-3+N	63 A	4	1/3	09916329	171947

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. pack. article No. EAN
widths units (4014712...)

10 kA

miniature circuit-breakers DLS 6i, C-characteristic, 4-pole



for industrial facilities, 10 kA

C-characteristic

4-pole

DLS 6i C0,3-4	0.3 A	4	1/3	09916338	171954
DLS 6i C0,5-4	0.5 A	4	1/3	09916339	171961
DLS 6i C0,8-4	0.8 A	4	1/3	09916340	171978
DLS 6i C1-4	1 A	4	1/3	09916341	171985
DLS 6i C1,6-4	1.6 A	4	1/3	09916342	171992
DLS 6i C2-4	2 A	4	1/3	09916343	172005
DLS 6i C2,5-4	2.5 A	4	1/3	09916344	172012
DLS 6i C3-4	3 A	4	1/3	09916345	172029
DLS 6i C3,5-4	3.5 A	4	1/3	09916346	172036
DLS 6i C4-4	4 A	4	1/3	09916347	172043
DLS 6i C5-4	5 A	4	1/3	09916348	172050
DLS 6i C6-4	6 A	4	1/3	09916349	172067
DLS 6i C8-4	8 A	4	1/3	09916350	172074
DLS 6i C10-4	10 A	4	1/3	09916351	172081
DLS 6i C13-4	13 A	4	1/3	09916352	172098
DLS 6i C16-4	16 A	4	1/3	09916353	172104
DLS 6i C20-4	20 A	4	1/3	09916354	172111
DLS 6i C25-4	25 A	4	1/3	09916355	172128
DLS 6i C32-4	32 A	4	1/3	09916356	172135
DLS 6i C40-4	40 A	4	1/3	09916357	172142
DLS 6i C50-4	50 A	4	1/3	09916358	172159
DLS 6i C63-4	63 A	4	1/3	09916359	172166

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 1-pole



for industrial facilities, 10 kA

D-characteristic

1-pole

DLS 6i D0,3-1	0.3 A	1	1/12	09916368	172173
DLS 6i D0,5-1	0.5 A	1	1/12	09916369	172180
DLS 6i D0,8-1	0.8 A	1	1/12	09916370	172197
DLS 6i D1-1	1 A	1	1/12	09916371	172203
DLS 6i D1,6-1	1.6 A	1	1/12	09916372	172210
DLS 6i D2-1	2 A	1	1/12	09916373	172227
DLS 6i D2,5-1	2.5 A	1	1/12	09916374	172234
DLS 6i D3-1	3 A	1	1/12	09916375	172241
DLS 6i D3,5-1	3.5 A	1	1/12	09916376	172258
DLS 6i D4-1	4 A	1	1/12	09916377	172265
DLS 6i D5-1	5 A	1	1/12	09916378	172272
DLS 6i D6-1	6 A	1	1/12	09916379	172289
DLS 6i D8-1	8 A	1	1/12	09916380	172296
DLS 6i D10-1	10 A	1	1/12	09916381	172302
DLS 6i D13-1	13 A	1	1/12	09916382	172319
DLS 6i D16-1	16 A	1	1/12	09916383	172326
DLS 6i D20-1	20 A	1	1/12	09916384	172333
DLS 6i D25-1	25 A	1	1/12	09916385	172340
DLS 6i D32-1	32 A	1	1/12	09916386	172357
DLS 6i D40-1	40 A	1	1/12	09916387	172364

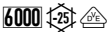
Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6i, D characteristic, 1-pole, 6 kA



for industrial facilities, 6 kA

D-characteristic

1-pole

DLS 6i D50-1	50 A	1	1/12	09916388	172371
DLS 6i D63-1	63 A	1	1/12	09916389	172388

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 1-pole+N



for industrial facilities, 10 kA

D-characteristic

1-pole+N

DLS 6i D0,3-1+N	0.3 A	2	1/6	09916398	172395
DLS 6i D0,5-1+N	0.5 A	2	1/6	09916399	172401
DLS 6i D0,8-1+N	0.8 A	2	1/6	09916400	172418
DLS 6i D1-1+N	1 A	2	1/6	09916401	172425
DLS 6i D1,6-1+N	1.6 A	2	1/6	09916402	172432
DLS 6i D2-1+N	2 A	2	1/6	09916403	172449
DLS 6i D2,5-1+N	2.5 A	2	1/6	09916404	172456
DLS 6i D3-1+N	3 A	2	1/6	09916405	172463
DLS 6i D3,5-1+N	3.5 A	2	1/6	09916406	172470
DLS 6i D4-1+N	4 A	2	1/6	09916407	172487
DLS 6i D5-1+N	5 A	2	1/6	09916408	172494
DLS 6i D6-1+N	6 A	2	1/6	09916409	172500
DLS 6i D8-1+N	8 A	2	1/6	09916410	172517
DLS 6i D10-1+N	10 A	2	1/6	09916411	172524
DLS 6i D13-1+N	13 A	2	1/6	09916412	172531
DLS 6i D16-1+N	16 A	2	1/6	09916413	172548
DLS 6i D20-1+N	20 A	2	1/6	09916414	172555
DLS 6i D25-1+N	25 A	2	1/6	09916415	172562
DLS 6i D32-1+N	32 A	2	1/6	09916416	172579
DLS 6i D40-1+N	40 A	2	1/6	09916417	172586

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6i, D characteristic, 1-pole+N, 6 kA



for industrial facilities, 6 kA

D-characteristic

1-pole+N

DLS 6i D50-1+N	50 A	2	1/6	09916418	172593
DLS 6i D63-1+N	63 A	2	1/6	09916419	172609

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: **100, 101**

miniature circuit-breakers (MCB)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 2-pole

for industrial facilities, 10 kA

D-characteristic

2-pole

DLS 6i D0,3-2	0.3 A	2	1/6	09916428	172616
DLS 6i D0,5-2	0.5 A	2	1/6	09916429	172623
DLS 6i D0,8-2	0.8 A	2	1/6	09916430	172630
DLS 6i D1-2	1 A	2	1/6	09916431	172647
DLS 6i D1,6-2	1.6 A	2	1/6	09916432	172654
DLS 6i D2-2	2 A	2	1/6	09916433	172661
DLS 6i D2,5-2	2.5 A	2	1/6	09916434	172678
DLS 6i D3-2	3 A	2	1/6	09916435	172685
DLS 6i D3,5-2	3.5 A	2	1/6	09916436	172692
DLS 6i D4-2	4 A	2	1/6	09916437	172708
DLS 6i D5-2	5 A	2	1/6	09916438	172715
DLS 6i D6-2	6 A	2	1/6	09916439	172722
DLS 6i D8-2	8 A	2	1/6	09916440	172739
DLS 6i D10-2	10 A	2	1/6	09916441	172746
DLS 6i D13-2	13 A	2	1/6	09916442	172753
DLS 6i D16-2	16 A	2	1/6	09916443	172760
DLS 6i D20-2	20 A	2	1/6	09916444	172777
DLS 6i D25-2	25 A	2	1/6	09916445	172784
DLS 6i D32-2	32 A	2	1/6	09916446	172791
DLS 6i D40-2	40 A	2	1/6	09916447	172807

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6i, D characteristic, 2-pole, 6 kA

for industrial facilities, 6 kA

D-characteristic

2-pole

DLS 6i D50-2	50 A	2	1/6	09916448	172814
DLS 6i D63-2	63 A	2	1/6	09916449	172821

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 3-pole



for industrial facilities, 10 kA

D-characteristic

3-pole

DLS 6i D0,3-3	0.3 A	3	1/4	09916458	172838
DLS 6i D0,5-3	0.5 A	3	1/4	09916459	172845
DLS 6i D0,8-3	0.8 A	3	1/4	09916460	172852
DLS 6i D1-3	1 A	3	1/4	09916461	172869
DLS 6i D1,6-3	1.6 A	3	1/4	09916462	172876
DLS 6i D2-3	2 A	3	1/4	09916463	172883
DLS 6i D2,5-3	2.5 A	3	1/4	09916464	172890
DLS 6i D3-3	3 A	3	1/4	09916465	172906
DLS 6i D3,5-3	3.5 A	3	1/4	09916466	172913
DLS 6i D4-3	4 A	3	1/4	09916467	172920
DLS 6i D5-3	5 A	3	1/4	09916468	172937
DLS 6i D6-3	6 A	3	1/4	09916469	172944
DLS 6i D8-3	8 A	3	1/4	09916470	172951
DLS 6i D10-3	10 A	3	1/4	09916471	172968
DLS 6i D13-3	13 A	3	1/4	09916472	172975
DLS 6i D16-3	16 A	3	1/4	09916473	172982
DLS 6i D20-3	20 A	3	1/4	09916474	172999
DLS 6i D25-3	25 A	3	1/4	09916475	173002
DLS 6i D32-3	32 A	3	1/4	09916476	173019
DLS 6i D40-3	40 A	3	1/4	09916477	173026

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6i, D characteristic, 3-pole, 6 kA



for industrial facilities, 6 kA

D-characteristic

3-pole

DLS 6i D50-3	50 A	3	1/4	09916478	173033
DLS 6i D63-3	63 A	3	1/4	09916479	173040

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 3-pole+N



for industrial facilities, 10 kA

D-characteristic

3-pole+N

DLS 6i D0,3-3+N	0.3 A	4	1/3	09916488	173057
DLS 6i D0,5-3+N	0.5 A	4	1/3	09916489	173064
DLS 6i D0,8-3+N	0.8 A	4	1/3	09916490	173071
DLS 6i D1-3+N	1 A	4	1/3	09916491	173088
DLS 6i D1,6-3+N	1.6 A	4	1/3	09916492	173095
DLS 6i D2-3+N	2 A	4	1/3	09916493	173101
DLS 6i D2,5-3+N	2.5 A	4	1/3	09916494	173118
DLS 6i D3-3+N	3 A	4	1/3	09916495	173125
DLS 6i D3,5-3+N	3.5 A	4	1/3	09916496	173132
DLS 6i D4-3+N	4 A	4	1/3	09916497	173149
DLS 6i D5-3+N	5 A	4	1/3	09916498	173156
DLS 6i D6-3+N	6 A	4	1/3	09916499	173163
DLS 6i D8-3+N	8 A	4	1/3	09916500	173170
DLS 6i D10-3+N	10 A	4	1/3	09916501	173187
DLS 6i D13-3+N	13 A	4	1/3	09916502	173194
DLS 6i D16-3+N	16 A	4	1/3	09916503	173200
DLS 6i D20-3+N	20 A	4	1/3	09916504	173217
DLS 6i D25-3+N	25 A	4	1/3	09916505	173224
DLS 6i D32-3+N	32 A	4	1/3	09916506	173231
DLS 6i D40-3+N	40 A	4	1/3	09916507	173248

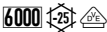
Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

6 kA



miniature circuit-breakers DLS 6i, D characteristic, 3-pole+N, 6 kA



for industrial facilities, 6 kA

D-characteristic

3-pole+N

DLS 6i D50-3+N	50 A	4	1/3	09916508	173255
DLS 6i D63-3+N	63 A	4	1/3	09916509	173262

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, D-characteristic, 4-pole



for industrial facilities, 10 kA

D-characteristic

4-pole

DLS 6i D0,3-4	0.3 A	4	1/3	09916518	173279
DLS 6i D0,5-4	0.5 A	4	1/3	09916519	173286
DLS 6i D0,8-4	0.8 A	4	1/3	09916520	173293
DLS 6i D1-4	1 A	4	1/3	09916521	173309
DLS 6i D1,6-4	1.6 A	4	1/3	09916522	173316
DLS 6i D2-4	2 A	4	1/3	09916523	173323
DLS 6i D2,5-4	2.5 A	4	1/3	09916524	173330
DLS 6i D3-4	3 A	4	1/3	09916525	173347
DLS 6i D3,5-4	3.5 A	4	1/3	09916526	173354
DLS 6i D4-4	4 A	4	1/3	09916527	173361
DLS 6i D5-4	5 A	4	1/3	09916528	173378
DLS 6i D6-4	6 A	4	1/3	09916529	173385
DLS 6i D8-4	8 A	4	1/3	09916530	173392
DLS 6i D10-4	10 A	4	1/3	09916531	173408
DLS 6i D13-4	13 A	4	1/3	09916532	173415
DLS 6i D16-4	16 A	4	1/3	09916533	173422
DLS 6i D20-4	20 A	4	1/3	09916534	173439
DLS 6i D25-4	25 A	4	1/3	09916535	173446
DLS 6i D32-4	32 A	4	1/3	09916536	173453
DLS 6i D40-4	40 A	4	1/3	09916537	173460

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6i, D-characteristic, 4-pole, 6 kA



for industrial facilities, 6 kA

D-characteristic

4-pole

DLS 6i D50-4	50 A	4	1/3	09916538	173477
DLS 6i D63-4	63 A	4	1/3	09916539	173484

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, K-characteristic, 1-pole

for industrial facilities, 10 kA

K-characteristic

1-pole

DLS 6i K0,3-1	0.3 A	1	1/12	09916548	173491
DLS 6i K0,5-1	0.5 A	1	1/12	09916549	173507
DLS 6i K0,8-1	0.8 A	1	1/12	09916550	173514
DLS 6i K1-1	1 A	1	1/12	09916551	173521
DLS 6i K1,6-1	1.6 A	1	1/12	09916552	173538
DLS 6i K2-1	2 A	1	1/12	09916553	173545
DLS 6i K2,5-1	2.5 A	1	1/12	09916554	173552
DLS 6i K3-1	3 A	1	1/12	09916555	173569
DLS 6i K3,5-1	3.5 A	1	1/12	09916556	173576
DLS 6i K4-1	4 A	1	1/12	09916557	173583
DLS 6i K5-1	5 A	1	1/12	09916558	173590
DLS 6i K6-1	6 A	1	1/12	09916559	173606
DLS 6i K8-1	8 A	1	1/12	09916560	173613
DLS 6i K10-1	10 A	1	1/12	09916561	173620
DLS 6i K13-1	13 A	1	1/12	09916562	173637
DLS 6i K16-1	16 A	1	1/12	09916563	173644
DLS 6i K20-1	20 A	1	1/12	09916564	173651
DLS 6i K25-1	25 A	1	1/12	09916565	173668
DLS 6i K32-1	32 A	1	1/12	09916566	173675
DLS 6i K40-1	40 A	1	1/12	09916567	173682
DLS 6i K50-1	50 A	1	1/12	09916568	173699
DLS 6i K63-1	63 A	1	1/12	09916569	173705

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, K-characteristic, 1-pole+N

for industrial facilities, 10 kA

K-characteristic

1-pole+N

DLS 6i K0,3-1+N	0.3 A	2	1/6	09916578	173712
DLS 6i K0,5-1+N	0.5 A	2	1/6	09916579	173729
DLS 6i K0,8-1+N	0.8 A	2	1/6	09916580	173736
DLS 6i K1-1+N	1 A	2	1/6	09916581	173743
DLS 6i K1,6-1+N	1.6 A	2	1/6	09916582	173750
DLS 6i K2-1+N	2 A	2	1/6	09916583	173767
DLS 6i K2,5-1+N	2.5 A	2	1/6	09916584	173774
DLS 6i K3-1+N	3 A	2	1/6	09916585	173781
DLS 6i K3,5-1+N	3.5 A	2	1/6	09916586	173798
DLS 6i K4-1+N	4 A	2	1/6	09916587	173804
DLS 6i K5-1+N	5 A	2	1/6	09916588	173811
DLS 6i K6-1+N	6 A	2	1/6	09916589	173828
DLS 6i K8-1+N	8 A	2	1/6	09916590	173835
DLS 6i K10-1+N	10 A	2	1/6	09916591	173842
DLS 6i K13-1+N	13 A	2	1/6	09916592	173859
DLS 6i K16-1+N	16 A	2	1/6	09916593	173866
DLS 6i K20-1+N	20 A	2	1/6	09916594	173873
DLS 6i K25-1+N	25 A	2	1/6	09916595	173880
DLS 6i K32-1+N	32 A	2	1/6	09916596	173897
DLS 6i K40-1+N	40 A	2	1/6	09916597	173903
DLS 6i K50-1+N	50 A	2	1/6	09916598	173910
DLS 6i K63-1+N	63 A	2	1/6	09916599	173927

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod.	pack.
widths	units

article No.

EAN
(4014712...)



10 kA



miniature circuit-breakers DLS 6i, K-characteristic, 2-pole

for industrial facilities, 10 kA

K-characteristic

2-pole

DLS 6i K0,3-2	0.3 A	2	1/6	09916608	173934
DLS 6i K0,5-2	0.5 A	2	1/6	09916609	173941
DLS 6i K0,8-2	0.8 A	2	1/6	09916610	173958
DLS 6i K1-2	1 A	2	1/6	09916611	173965
DLS 6i K1,6-2	1.6 A	2	1/6	09916612	173972
DLS 6i K2-2	2 A	2	1/6	09916613	173989
DLS 6i K2,5-2	2.5 A	2	1/6	09916614	173996
DLS 6i K3-2	3 A	2	1/6	09916615	174009
DLS 6i K3,5-2	3.5 A	2	1/6	09916616	174016
DLS 6i K4-2	4 A	2	1/6	09916617	174023
DLS 6i K5-2	5 A	2	1/6	09916618	174030
DLS 6i K6-2	6 A	2	1/6	09916619	174047
DLS 6i K8-2	8 A	2	1/6	09916620	174054
DLS 6i K10-2	10 A	2	1/6	09916621	174061
DLS 6i K13-2	13 A	2	1/6	09916622	174078
DLS 6i K16-2	16 A	2	1/6	09916623	174085
DLS 6i K20-2	20 A	2	1/6	09916624	174092
DLS 6i K25-2	25 A	2	1/6	09916625	174108
DLS 6i K32-2	32 A	2	1/6	09916626	174115
DLS 6i K40-2	40 A	2	1/6	09916627	174122
DLS 6i K50-2	50 A	2	1/6	09916628	174139
DLS 6i K63-2	63 A	2	1/6	09916629	174146

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, K-characteristic, 3-pole

for industrial facilities, 10 kA

K-characteristic

3-pole

DLS 6i K0,3-3	0.3 A	3	1/4	09916638	174153
DLS 6i K0,5-3	0.5 A	3	1/4	09916639	174160
DLS 6i K0,8-3	0.8 A	3	1/4	09916640	174177
DLS 6i K1-3	1 A	3	1/4	09916641	174184
DLS 6i K1,6-3	1.6 A	3	1/4	09916642	174191
DLS 6i K2-3	2 A	3	1/4	09916643	174207
DLS 6i K2,5-3	2.5 A	3	1/4	09916644	174214
DLS 6i K3-3	3 A	3	1/4	09916645	174221
DLS 6i K3,5-3	3.5 A	3	1/4	09916646	174238
DLS 6i K4-3	4 A	3	1/4	09916647	174245
DLS 6i K5-3	5 A	3	1/4	09916648	174252
DLS 6i K6-3	6 A	3	1/4	09916649	174269
DLS 6i K8-3	8 A	3	1/4	09916650	174276
DLS 6i K10-3	10 A	3	1/4	09916651	174283
DLS 6i K13-3	13 A	3	1/4	09916652	174290
DLS 6i K16-3	16 A	3	1/4	09916653	174306
DLS 6i K20-3	20 A	3	1/4	09916654	174313
DLS 6i K25-3	25 A	3	1/4	09916655	174320
DLS 6i K32-3	32 A	3	1/4	09916656	174337
DLS 6i K40-3	40 A	3	1/4	09916657	174344
DLS 6i K50-3	50 A	3	1/4	09916658	174351
DLS 6i K63-3	63 A	3	1/4	09916659	174368

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, K-characteristic, 3-pole+N

for industrial facilities, 10 kA

K-characteristic

3-pole+N

DLS 6i K0,3-3+N	0.3 A	4	1/3	09916668	174375
DLS 6i K0,5-3+N	0.5 A	4	1/3	09916669	174382
DLS 6i K0,8-3+N	0.8 A	4	1/3	09916670	174399
DLS 6i K1-3+N	1 A	4	1/3	09916671	174405
DLS 6i K1,6-3+N	1.6 A	4	1/3	09916672	174412
DLS 6i K2-3+N	2 A	4	1/3	09916673	174429
DLS 6i K2,5-3+N	2.5 A	4	1/3	09916674	174436
DLS 6i K3-3+N	3 A	4	1/3	09916675	174443
DLS 6i K3,5-3+N	3.5 A	4	1/3	09916676	174450
DLS 6i K4-3+N	4 A	4	1/3	09916677	174467
DLS 6i K5-3+N	5 A	4	1/3	09916678	174474
DLS 6i K6-3+N	6 A	4	1/3	09916679	174481
DLS 6i K8-3+N	8 A	4	1/3	09916680	174498
DLS 6i K10-3+N	10 A	4	1/3	09916681	174504
DLS 6i K13-3+N	13 A	4	1/3	09916682	174511
DLS 6i K16-3+N	16 A	4	1/3	09916683	174528
DLS 6i K20-3+N	20 A	4	1/3	09916684	174535
DLS 6i K25-3+N	25 A	4	1/3	09916685	174542
DLS 6i K32-3+N	32 A	4	1/3	09916686	174559
DLS 6i K40-3+N	40 A	4	1/3	09916687	174566
DLS 6i K50-3+N	50 A	4	1/3	09916688	174573
DLS 6i K63-3+N	63 A	4	1/3	09916689	174580

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. pack. article No. EAN
widths units (4014712...)

10 kA

miniature circuit-breakers DLS 6i, K-characteristic, 4-pole

10000 



for industrial facilities, 10 kA

K-characteristic

4-pole

DLS 6i K0,3-4	0.3 A	4	1/3	09916698	174597
DLS 6i K0,5-4	0.5 A	4	1/3	09916699	174603
DLS 6i K0,8-4	0.8 A	4	1/3	09916700	174610
DLS 6i K1-4	1 A	4	1/3	09916701	174627
DLS 6i K1,6-4	1.6 A	4	1/3	09916702	174634
DLS 6i K2-4	2 A	4	1/3	09916703	174641
DLS 6i K2,5-4	2.5 A	4	1/3	09916704	174658
DLS 6i K3-4	3 A	4	1/3	09916705	174665
DLS 6i K3,5-4	3.5 A	4	1/3	09916706	174672
DLS 6i K4-4	4 A	4	1/3	09916707	174689
DLS 6i K5-4	5 A	4	1/3	09916708	174696
DLS 6i K6-4	6 A	4	1/3	09916709	174702
DLS 6i K8-4	8 A	4	1/3	09916710	174719
DLS 6i K10-4	10 A	4	1/3	09916711	174726
DLS 6i K13-4	13 A	4	1/3	09916712	174733
DLS 6i K16-4	16 A	4	1/3	09916713	174740
DLS 6i K20-4	20 A	4	1/3	09916714	174757
DLS 6i K25-4	25 A	4	1/3	09916715	174764
DLS 6i K32-4	32 A	4	1/3	09916716	174771
DLS 6i K40-4	40 A	4	1/3	09916717	174788
DLS 6i K50-4	50 A	4	1/3	09916718	174795
DLS 6i K63-4	63 A	4	1/3	09916719	174801

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, Z-characteristic, 1-pole

10000 25

for industrial facilities, 10 kA

Z-characteristic

1-pole

DLS 6i Z0,3-1	0.3 A	1	1/12	09916728	174818
DLS 6i Z0,5-1	0.5 A	1	1/12	09916729	174825
DLS 6i Z0,8-1	0.8 A	1	1/12	09916730	174832
DLS 6i Z1-1	1 A	1	1/12	09916731	174849
DLS 6i Z1,6-1	1.6 A	1	1/12	09916732	174856
DLS 6i Z2-1	2 A	1	1/12	09916733	174863
DLS 6i Z2,5-1	2.5 A	1	1/12	09916734	174870
DLS 6i Z3-1	3 A	1	1/12	09916735	174887
DLS 6i Z3,5-1	3.5 A	1	1/12	09916736	174894
DLS 6i Z4-1	4 A	1	1/12	09916737	174900
DLS 6i Z5-1	5 A	1	1/12	09916738	174917
DLS 6i Z6-1	6 A	1	1/12	09916739	174924
DLS 6i Z8-1	8 A	1	1/12	09916740	174931
DLS 6i Z10-1	10 A	1	1/12	09916741	174948
DLS 6i Z13-1	13 A	1	1/12	09916742	174955
DLS 6i Z16-1	16 A	1	1/12	09916743	174962
DLS 6i Z20-1	20 A	1	1/12	09916744	174979
DLS 6i Z25-1	25 A	1	1/12	09916745	174986
DLS 6i Z32-1	32 A	1	1/12	09916746	174993

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

10 kA



miniature circuit-breakers DLS 6i, Z-characteristic, 2-pole

10000 25

for industrial facilities, 10 kA

Z-characteristic

2-pole

DLS 6i Z0,3-2	0.3 A	2	1/6	09916788	175259
DLS 6i Z0,5-2	0.5 A	2	1/6	09916789	175266
DLS 6i Z0,8-2	0.8 A	2	1/6	09916790	175273
DLS 6i Z1-2	1 A	2	1/6	09916791	175280
DLS 6i Z1,6-2	1.6 A	2	1/6	09916792	175297
DLS 6i Z2-2	2 A	2	1/6	09916793	175303
DLS 6i Z2,5-2	2.5 A	2	1/6	09916794	175310
DLS 6i Z3-2	3 A	2	1/6	09916795	278202
DLS 6i Z3,5-2	3.5 A	2	1/6	09916796	175334
DLS 6i Z4-2	4 A	2	1/6	09916797	175341
DLS 6i Z5-2	5 A	2	1/6	09916798	175358
DLS 6i Z6-2	6 A	2	1/6	09916799	175365
DLS 6i Z8-2	8 A	2	1/6	09916800	175372
DLS 6i Z10-2	10 A	2	1/6	09916801	175389
DLS 6i Z13-2	13 A	2	1/6	09916802	175396
DLS 6i Z16-2	16 A	2	1/6	09916803	175402
DLS 6i Z20-2	20 A	2	1/6	09916804	175419
DLS 6i Z25-2	25 A	2	1/6	09916805	175426
DLS 6i Z32-2	32 A	2	1/6	09916806	175433

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 6i, Z-characteristic, 3-pole

for industrial facilities, 10 kA

Z-characteristic

3-pole

DLS 6i Z0,3-3	0.3 A	3	1/4	09916818	175471
DLS 6i Z0,5-3	0.5 A	3	1/4	09916819	175488
DLS 6i Z0,8-3	0.8 A	3	1/4	09916820	175495
DLS 6i Z1-3	1 A	3	1/4	09916821	175501
DLS 6i Z1,6-3	1.6 A	3	1/4	09916822	175518
DLS 6i Z2-3	2 A	3	1/4	09916823	175525
DLS 6i Z2,5-3	2.5 A	3	1/4	09916824	175532
DLS 6i Z3-3	3 A	3	1/4	09916825	175549
DLS 6i Z3,5-3	3.5 A	3	1/4	09916826	175556
DLS 6i Z4-3	4 A	3	1/4	09916827	175563
DLS 6i Z5-3	5 A	3	1/4	09916828	175570
DLS 6i Z6-3	6 A	3	1/4	09916829	175587
DLS 6i Z8-3	8 A	3	1/4	09916830	175594
DLS 6i Z10-3	10 A	3	1/4	09916831	175600
DLS 6i Z13-3	13 A	3	1/4	09916832	175617
DLS 6i Z16-3	16 A	3	1/4	09916833	175624
DLS 6i Z20-3	20 A	3	1/4	09916834	175631
DLS 6i Z25-3	25 A	3	1/4	09916835	175648
DLS 6i Z32-3	32 A	3	1/4	09916836	175655

Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

6 kA



miniature circuit-breakers DLS 6i, with red housing, 6 kA

for industrial facilities, 6 kA

B-characteristic

1-pole

DLS 6i B10-1 RT	10 A	1	1/12	09860100	263307
DLS 6i B16-1 RT	16 A	1	1/12	09860101	250185

C-characteristic

1-pole

DLS 6i C16-1 RT	16 A	1	1/12	09860102	250208
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Other rated currents on request.

Accessories: operating current trip DASA, auxiliary switches DHi, trip-indicating auxiliary contact DHi-S, restart locks DEASS, software DBS, documentation, terminal caps KA
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 8, B-characteristic, 1-pole

certified according to UL 508

B-characteristic

DLS 8 1B1UM	1 A	1	1/12	09841005	982611
DLS 8 1B2UM	2 A	1	1/12	09841007	982673
DLS 8 1B6UM	6 A	1	1/12	09841013	982857
DLS 8 1B8UM	8 A	1	1/12	09841015	982888
DLS 8 1B10UM	10 A	1	1/12	09841017	982918
DLS 8 1B13UM	13 A	1	1/12	09841019	982970
DLS 8 1B15UM	15 A	1	1/12	09841020	983007
DLS 8 1B16UM	16 A	1	1/12	09841021	983038
DLS 8 1B20UM	20 A	1	1/12	09841022	983069
DLS 8 1B25UM	25 A	1	1/12	09841023	983090
DLS 8 1B30UM	30 A	1	1/12	09841024	983120
DLS 8 1B40UM	40 A	1	1/12	09841027	983212
DLS 8 1B50UM	50 A	1	1	09841028	983243
DLS 8 1B60UM	60 A	1	1	09841029	983274

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: 100, 101

10 kA



miniature circuit-breakers DLS 8, B-characteristic, 2-pole

certified according to UL 508

B-characteristic

DLS 8 2B1UM	1 A	2	1/6	09842005	987685
DLS 8 2B2UM	2 A	2	1/6	09842007	987746
DLS 8 2B6UM	6 A	2	1/6	09842013	987920
DLS 8 2B8UM	8 A	2	1	09842015	987951
DLS 8 2B10UM	10 A	2	1/6	09842017	987982
DLS 8 2B13UM	13 A	2	1/6	09842019	988040
DLS 8 2B15UM	15 A	2	1/6	09842020	988071
DLS 8 2B16UM	16 A	2	1/6	09842021	988101
DLS 8 2B20UM	20 A	2	1/6	09842022	988132
DLS 8 2B25UM	25 A	2	1/6	09842023	988163
DLS 8 2B30UM	30 A	2	1	09842024	988194
DLS 8 2B40UM	40 A	2	1	09842027	988286
DLS 8 2B50UM	50 A	2	1	09842028	988316
DLS 8 2B60UM	60 A	2	1	09842029	988347

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. pack. article No. EAN
widths units (4014712...)

10 kA



miniature circuit-breakers DLS 8, B-characteristic, 3-pole

certified according to UL 508

B-characteristic

DLS 8 3B1UM	1 A	3	1	09 843 005	992757
DLS 8 3B2UM	2 A	3	1	09 843 007	992818
DLS 8 3B6UM	6 A	3	1	09 843 013	992993
DLS 8 3B8UM	8 A	3	1	09 843 015	993020
DLS 8 3B10UM	10 A	3	1/4	09 843 017	993051
DLS 8 3B13UM	13 A	3	1	09 843 019	993112
DLS 8 3B15UM	15 A	3	1	09 843 020	993143
DLS 8 3B16UM	16 A	3	1/4	09 843 021	993174
DLS 8 3B20UM	20 A	3	1	09 843 022	993204
DLS 8 3B25UM	25 A	3	1/4	09 843 023	993235
DLS 8 3B30UM	30 A	3	1	09 843 024	993266
DLS 8 3B40UM	40 A	3	1/4	09 843 027	993358
DLS 8 3B50UM	50 A	3	1	09 843 028	993389
DLS 8 3B60UM	60 A	3	1	09 843 029	993419

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: **100, 101**

10000 25

10 kA



miniature circuit-breakers DLS 8, B-characteristic, 4-pole

certified according to UL 508

B-characteristic

DLS 8 4B1UM	1 A	4	1	09 844 005	997820
DLS 8 4B2UM	2 A	4	1	09 844 007	997882
DLS 8 4B6UM	6 A	4	1	09 844 013	998063
DLS 8 4B8UM	8 A	4	1	09 844 015	998094
DLS 8 4B10UM	10 A	4	1	09 844 017	998124
DLS 8 4B13UM	13 A	4	1	09 844 019	998186
DLS 8 4B15UM	15 A	4	1	09 844 020	998216
DLS 8 4B16UM	16 A	4	1/3	09 844 021	998247
DLS 8 4B20UM	20 A	4	1	09 844 022	998278
DLS 8 4B25UM	25 A	4	1	09 844 023	998308
DLS 8 4B30UM	30 A	4	1	09 844 024	998339
DLS 8 4B40UM	40 A	4	1	09 844 027	998421
DLS 8 4B50UM	50 A	4	1	09 844 028	998452
DLS 8 4B60UM	60 A	4	1	09 844 029	998483

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: **100, 101**

10000 25

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 8, C-characteristic, 1-pole

certified according to UL 508

C-characteristic

DLS 8 1C1UM	1 A	1	1/12	09841105	983458
DLS 8 1C2UM	2 A	1	1/12	09841107	983519
DLS 8 1C6UM	6 A	1	1/12	09841113	983694
DLS 8 1C8UM	8 A	1	1/12	09841115	983724
DLS 8 1C10UM	10 A	1	1/12	09841117	983755
DLS 8 1C13UM	13 A	1	1/12	09841119	983816
DLS 8 1C15UM	15 A	1	1/12	09841120	983847
DLS 8 1C16UM	16 A	1	1/12	09841121	983878
DLS 8 1C20UM	20 A	1	1/12	09841122	983908
DLS 8 1C25UM	25 A	1	1/12	09841123	983939
DLS 8 1C30UM	30 A	1	1/12	09841124	983960
DLS 8 1C40UM	40 A	1	1/12	09841127	984059
DLS 8 1C50UM	50 A	1	1	09841128	984080
DLS 8 1C60UM	60 A	1	1	09841129	984110

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: 100, 101

10 kA



miniature circuit-breakers DLS 8 DC, C-characteristic, 2-pole

certified according to UL 508

C-characteristic

DLS 8 2C1UM	1 A	2	1/6	09842105	988521
DLS 8 2C2UM	2 A	2	1/6	09842107	988583
DLS 8 2C6UM	6 A	2	1/6	09842113	988767
DLS 8 2C8UM	8 A	2	1/6	09842115	988798
DLS 8 2C10UM	10 A	2	1/6	09842117	988828
DLS 8 2C13UM	13 A	2	1/6	09842119	988880
DLS 8 2C15UM	15 A	2	1/6	09842120	988910
DLS 8 2C16UM	16 A	2	1/6	09842121	988941
DLS 8 2C20UM	20 A	2	1/6	09842122	988972
DLS 8 2C25UM	25 A	2	1/6	09842123	989009
DLS 8 2C30UM	30 A	2	1/6	09842124	989030
DLS 8 2C40UM	40 A	2	1/6	09842127	989122
DLS 8 2C50UM	50 A	2	1/6	09842128	989153
DLS 8 2C60UM	60 A	2	1/6	09842129	989184

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 8, C-characteristic, 3-pole

certified according to UL 508

C-characteristic

DLS 8 3C1UM	1 A	3	1/4	09 843 105	993594
DLS 8 3C2UM	2 A	3	1	09 843 107	993655
DLS 8 3C6UM	6 A	3	1/4	09 843 113	993839
DLS 8 3C8UM	8 A	3	1	09 843 115	993860
DLS 8 3C10UM	10 A	3	1/4	09 843 117	993891
DLS 8 3C13UM	13 A	3	1/4	09 843 119	993952
DLS 8 3C15UM	15 A	3	1/4	09 843 120	993983
DLS 8 3C16UM	16 A	3	1/4	09 843 121	994010
DLS 8 3C20UM	20 A	3	1/4	09 843 122	994041
DLS 8 3C25UM	25 A	3	1/4	09 843 123	994072
DLS 8 3C30UM	30 A	3	1/4	09 843 124	994102
DLS 8 3C40UM	40 A	3	1/4	09 843 127	994195
DLS 8 3C50UM	50 A	3	1/4	09 843 128	994225
DLS 8 3C60UM	60 A	3	1/4	09 843 129	994256

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: **100, 101**



10 kA



miniature circuit-breakers DLS 8, D-characteristic, 1-pole

certified according to UL 508

D-characteristic

DLS 8 1D1UM	1 A	1	1/12	09 841 205	984295
DLS 8 1D2TM	2 A	1	1/12	09 851 207	998544
DLS 8 1D6UM	6 A	1	1/12	09 841 213	984530
DLS 8 1D8UM	8 A	1	1/12	09 841 215	984561
DLS 8 1D10UM	10 A	1	1/12	09 841 217	984592
DLS 8 1D13UM	13 A	1	1/12	09 841 219	984653
DLS 8 1D15UM	15 A	1	1/12	09 841 220	984684
DLS 8 1D16UM	16 A	1	1/12	09 841 221	984714
DLS 8 1D20UM	20 A	1	1/12	09 841 222	984745
DLS 8 1D25UM	25 A	1	1/12	09 841 223	984776
DLS 8 1D30UM	30 A	1	1/12	09 841 224	984806
DLS 8 1D40UM	40 A	1	1	09 841 227	984899
DLS 8 1D50UM	50 A	1	1/12	09 841 228	984929
DLS 8 1D60UM	60 A	1	1	09 841 229	984950

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: **100, 101**



miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 8, D-characteristic, 2-pole

certified according to UL 508

D-characteristic

DLS 8 2D1UM	1 A	2	1/6	09 842 205	989368
DLS 8 2D2UM	2 A	2	1/6	09 842 207	989429
DLS 8 2D6UM	6 A	2	1/6	09 842 213	989603
DLS 8 2D8UM	8 A	2	1/6	09 842 215	989634
DLS 8 2D10UM	10 A	2	1/6	09 842 217	989665
DLS 8 2D13UM	13 A	2	1/6	09 842 219	989726
DLS 8 2D15UM	15 A	2	1/6	09 842 220	989757
DLS 8 2D16UM	16 A	2	1/6	09 842 221	989788
DLS 8 2D20UM	20 A	2	1/6	09 842 222	989818
DLS 8 2D25UM	25 A	2	1/6	09 842 223	989849
DLS 8 2D30UM	30 A	2	1/6	09 842 224	989870
DLS 8 2D40UM	40 A	2	1/6	09 842 227	989962
DLS 8 2D50UM	50 A	2	1/6	09 842 228	989993
DLS 8 2D60UM	60 A	2	1/6	09 842 229	990029

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS on Page: 100, 101

10 kA



miniature circuit-breakers DLS 8, D-characteristic, 3-pole

certified according to UL 508

D-characteristic

DLS 8 3D1UM	1 A	3	1/4	09 843 205	994430
DLS 8 3D2UM	2 A	3	1/4	09 843 207	994492
DLS 8 3D6UM	6 A	3	1/4	09 843 213	994676
DLS 8 3D8UM	8 A	3	1/4	09 843 215	994706
DLS 8 3D10UM	10 A	3	1/4	09 843 217	994737
DLS 8 3D13UM	13 A	3	1/4	09 843 219	994799
DLS 8 3D15UM	15 A	3	1/4	09 843 220	994829
DLS 8 3D16UM	16 A	3	1/4	09 843 221	994850
DLS 8 3D20UM	20 A	3	1/4	09 843 222	994881
DLS 8 3D25UM	25 A	3	1/4	09 843 223	994911
DLS 8 3D30UM	30 A	3	1/4	09 843 224	994942
DLS 8 3D40UM	40 A	3	1/4	09 843 227	995031
DLS 8 3D50UM	50 A	3	1/4	09 843 228	995062
DLS 8 3D60UM	60 A	3	1/4	09 843 229	995093

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN
(4014712...)

10 kA



miniature circuit-breakers DLS 9 AC, C-characteristic, 1-pole

10000

certified according to UL 489, AC

C-characteristic

DLS 9 1C1UL	1 A	1	1/12	09821105	969537
DLS 9 1C2UL	2 A	1	1/12	09821107	969599
DLS 9 1C6UL	6 A	1	1/12	09821113	969773
DLS 9 1C8UL	8 A	1	1/12	09821115	969834
DLS 9 1C10UL	10 A	1	1/12	09821117	969896
DLS 9 1C13UL	13 A	1	1/12	09821119	969957
DLS 9 1C15UL	15 A	1	1/12	09821120	969988
DLS 9 1C16UL	16 A	1	1/12	09821121	970014
DLS 9 1C20UL	20 A	1	1/12	09821122	970045
DLS 9 1C25UL	25 A	1	1/12	09821123	970076
DLS 9 1C30UL	30 A	1	1/12	09821124	970106
DLS 9 1C40UL	40 A	1	1/12	09821127	970199
DLS 9 1C50UL	50 A	1	1	09821128	970229
DLS 9 1C60UL	60 A	1	1	09821129	970250

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **100, 101**

10 kA



miniature circuit-breakers DLS 9 AC, C-characteristic, 2-pole

10000

certified according to UL 489, AC

C-characteristic

DLS 9 2C1UL	1 A	2	1/6	09822105	972148
DLS 9 2C2UL	2 A	2	1/6	09822107	972209
DLS 9 2C6UL	6 A	2	1/6	09822113	972384
DLS 9 2C10UL	10 A	2	1/6	09822117	972506
DLS 9 2C13UL	13 A	2	1/6	09822119	972568
DLS 9 2C15UL	15 A	2	1/6	09822120	972599
DLS 9 2C16UL	16 A	2	1/6	09822121	972629
DLS 9 2C20UL	20 A	2	1/6	09822122	972650
DLS 9 2C25UL	25 A	2	1/6	09822123	972681
DLS 9 2C30UL	30 A	2	1/6	09822124	972711
DLS 9 2C40UL	40 A	2	1/6	09822127	972803
DLS 9 2C50UL	50 A	2	1/6	09822128	972834
DLS 9 2C60UL	60 A	2	1/6	09822129	972865

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **100, 101**

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 9 AC, C-characteristic, 3-pole

10000 25

certified according to UL 489, AC

C-characteristic

DLS 9 3C1UL	1 A	3	1/4	09823105	974753
DLS 9 3C2UL	2 A	3	1/4	09823107	974814
DLS 9 3C6UL	6 A	3	1/4	09823113	974999
DLS 9 3C8UL	8 A	3	1/4	09823115	975057
DLS 9 3C10UL	10 A	3	1/4	09823117	975118
DLS 9 3C13UL	13 A	3	1/4	09823119	975170
DLS 9 3C15UL	15 A	3	1/4	09823120	975200
DLS 9 3C16UL	16 A	3	1/4	09823121	975231
DLS 9 3C20UL	20 A	3	1/4	09823122	975262
DLS 9 3C25UL	25 A	3	1/4	09823123	975293
DLS 9 3C30UL	30 A	3	1/4	09823124	975323
DLS 9 3C40UL	40 A	3	1/4	09823127	975415
DLS 9 3C50UL	50 A	3	1/4	09823128	975446
DLS 9 3C60UL	60 A	3	1/4	09823129	975477

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS on Page: 100, 101

10 kA



miniature circuit-breakers DLS 9 AC, C-characteristic, 4-pole

10000 25

certified according to UL 489, AC

C-characteristic

DLS 9 4C1UL	1 A	4	1	09824105	977365
DLS 9 4C2UL	2 A	4	1	09824107	977426
DLS 9 4C6UL	6 A	4	1	09824113	977600
DLS 9 4C8UL	8 A	4	1	09824115	977662
DLS 9 4C10UL	10 A	4	1	09824117	977723
DLS 9 4C13UL	13 A	4	1	09824119	977785
DLS 9 4C15UL	15 A	4	1	09824120	977815
DLS 9 4C16UL	16 A	4	1/3	09824121	977846
DLS 9 4C20UL	20 A	4	1/3	09824122	977877
DLS 9 4C25UL	25 A	4	1	09824123	977907
DLS 9 4C30UL	30 A	4	1	09824124	977938
DLS 9 4C40UL	40 A	4	1	09824127	978027
DLS 9 4C50UL	50 A	4	1	09824128	978058
DLS 9 4C60UL	60 A	4	1	09824129	978089

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN
(4014712...)

10 kA



miniature circuit-breakers DLS 9 AC, D-characteristic, 1-pole

10000

certified according to UL 489, AC

D-characteristic

DLS 9 1D1UL	1 A	1	1/12	09821205	970403
DLS 9 1D2UL	2 A	1	1/12	09821207	970465
DLS 9 1D6UL	6 A	1	1/12	09821213	970649
DLS 9 1D8UL	8 A	1	1/12	09821215	970700
DLS 9 1D10UL	10 A	1	1/12	09821217	970762
DLS 9 1D13UL	13 A	1	1/12	09821219	970823
DLS 9 1D15UL	15 A	1	1/12	09821220	970854
DLS 9 1D16UL	16 A	1	1/12	09821221	970885
DLS 9 1D20UL	20 A	1	1/12	09821222	970915
DLS 9 1D25UL	25 A	1	1/12	09821223	970946
DLS 9 1D30UL	30 A	1	1/12	09821224	970977
DLS 9 1D40UL	40 A	1	1	09821227	971066
DLS 9 1D50UL	50 A	1	1/12	09821228	971097
DLS 9 1D60UL	60 A	1	1	09821229	971127

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: [100](#), [101](#)

10 kA



miniature circuit-breakers DLS 9 AC, D-characteristic, 2-pole

10000

certified according to UL 489, AC

D-characteristic

DLS 9 2D1UL	1 A	2	1/6	09822205	973015
DLS 9 2D2UL	2 A	2	1/6	09822207	973077
DLS 9 2D6UL	6 A	2	1/6	09822213	973251
DLS 9 2D8UL	8 A	2	1/6	09822215	973312
DLS 9 2D10UL	10 A	2	1/6	09822217	973374
DLS 9 2D13UL	13 A	2	1/6	09822219	973435
DLS 9 2D15UL	15 A	2	1/6	09822220	973466
DLS 9 2D16UL	16 A	2	1/6	09822221	973497
DLS 9 2D20UL	20 A	2	1/6	09822222	973527
DLS 9 2D25UL	25 A	2	1/6	09822223	973558
DLS 9 2D30UL	30 A	2	1/6	09822224	973589
DLS 9 2D40UL	40 A	2	1/6	09822227	973671
DLS 9 2D50UL	50 A	2	1/6	09822228	973701
DLS 9 2D60UL	60 A	2	1/6	09822229	973732

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: [100](#), [101](#)

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA

miniature circuit-breakers DLS 9 AC, D-characteristic, 3-pole

10000 25



certified according to UL 489, AC

D-characteristic

DLS 9 3D1UL	1 A	3	1/4	09 823 205	975620
DLS 9 3D2UL	2 A	3	1/4	09 823 207	975682
DLS 9 3D6UL	6 A	3	1/4	09 823 213	975866
DLS 9 3D8UL	8 A	3	1/4	09 823 215	975927
DLS 9 3D10UL	10 A	3	1/4	09 823 217	975989
DLS 9 3D13UL	13 A	3	1/4	09 823 219	976047
DLS 9 3D15UL	15 A	3	1/4	09 823 220	976078
DLS 9 3D16UL	16 A	3	1/4	09 823 221	976108
DLS 9 3D20UL	20 A	3	1/4	09 823 222	976139
DLS 9 3D25UL	25 A	3	1/4	09 823 223	976160
DLS 9 3D30UL	30 A	3	1/4	09 823 224	976191
DLS 9 3D40UL	40 A	3	1/4	09 823 227	976283
DLS 9 3D50UL	50 A	3	1/4	09 823 228	976313
DLS 9 3D60UL	60 A	3	1/4	09 823 229	976344

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS on Page: 100, 101

10 kA

miniature circuit-breakers DLS 9 AC, D-characteristic, 4-pole

10000 25



certified according to UL 489, AC

D-characteristic

DLS 9 4D1UL	1 A	4	1	09 824 205	978232
DLS 9 4D2UL	2 A	4	1	09 824 207	978294
DLS 9 4D6UL	6 A	4	1	09 824 213	978478
DLS 9 4D8UL	8 A	4	1	09 824 215	978539
DLS 9 4D10UL	10 A	4	1	09 824 217	978591
DLS 9 4D13UL	13 A	4	1	09 824 219	978652
DLS 9 4D15UL	15 A	4	1	09 824 220	978683
DLS 9 4D16UL	16 A	4	1	09 824 221	978713
DLS 9 4D20UL	20 A	4	1	09 824 222	978744
DLS 9 4D25UL	25 A	4	1	09 824 223	978775
DLS 9 4D30UL	30 A	4	1	09 824 224	978805
DLS 9 4D40UL	40 A	4	1	09 824 227	978898
DLS 9 4D50UL	50 A	4	1	09 824 228	978928
DLS 9 4D60UL	60 A	4	1	09 824 229	978959

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS on Page: 100, 101

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 9 DC, C-characteristic, 1-pole

certified according to UL 489, DC

C-characteristic

DLS 9 1C6DL	6 A	1	1/12	09831113	979345
DLS 9 1C8DL	8 A	1	1/12	09831115	979406
DLS 9 1C10DL	10 A	1	1/12	09831117	979468
DLS 9 1C13DL	13 A	1	1	09831119	979529
DLS 9 1C16DL	16 A	1	1/12	09831121	979581
DLS 9 1C20DL	20 A	1	1/12	09831122	979611
DLS 9 1C25DL	25 A	1	1/12	09831123	979642
DLS 9 1C30DL	30 A	1	1/12	09831124	979673
DLS 9 1C40DL	40 A	1	1/12	09831127	979765
DLS 9 1C50DL	50 A	1	1/12	09831128	979796
DLS 9 1C60DL	60 A	1	1	09831129	979826

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **100, 101**

10000 125

10 kA



miniature circuit-breakers DLS 9 DC, C-characteristic, 2-pole

certified according to UL 489, DC

C-characteristic

DLS 9 2C6DL	6 A	2	1/6	09832113	981089
DLS 9 2C8DL	8 A	2	1/6	09832115	981140
DLS 9 2C10DL	10 A	2	1/6	09832117	981201
DLS 9 2C13DL	13 A	2	1	09832119	981263
DLS 9 2C16DL	16 A	2	1	09832121	981324
DLS 9 2C20DL	20 A	2	1/6	09832122	981355
DLS 9 2C25DL	25 A	2	1	09832123	981386
DLS 9 2C30DL	30 A	2	1/6	09832124	981416
DLS 9 2C40DL	40 A	2	1/6	09832127	981508
DLS 9 2C50DL	50 A	2	1/6	09832128	981539
DLS 9 2C60DL	60 A	2	1/6	09832129	981560

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **100, 101**

10000 125

10 kA



miniature circuit-breakers DLS 9 DC, D-characteristic, 1-pole

certified according to UL 489, DC

D-characteristic

DLS 9 1D6DL	6 A	1	1/12	09831213	980211
DLS 9 1D8DL	8 A	1	1/12	09831215	980273
DLS 9 1D10DL	10 A	1	1/12	09831217	980334
DLS 9 1D13DL	13 A	1	1	09831219	980396
DLS 9 1D16DL	16 A	1	1	09831221	980457
DLS 9 1D20DL	20 A	1	1/12	09831222	980488
DLS 9 1D25DL	25 A	1	1	09831223	980518
DLS 9 1D30DL	30 A	1	1/12	09831224	980549
DLS 9 1D40DL	40 A	1	1/12	09831227	980631
DLS 9 1D50DL	50 A	1	1	09831228	980662
DLS 9 1D60DL	60 A	1	1	09831229	980693

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **100, 101**

10000 125

miniature circuit-breakers (MCB)

mod. widths pack. units article No. EAN (4014712...)

10 kA



miniature circuit-breakers DLS 9 DC, D-characteristic, 2-pole

certified according to UL 489, DC

D-characteristic

DLS 9 2D6DL	6 A	2	1/6	09 832 213	981959
DLS 9 2D8DL	8 A	2	1/6	09 832 215	982017
DLS 9 2D10DL	10 A	2	1/6	09 832 217	982079
DLS 9 2D13DL	13 A	2	1	09 832 219	982130
DLS 9 2D16DL	16 A	2	1	09 832 221	982192
DLS 9 2D20DL	20 A	2	1/6	09 832 222	982222
DLS 9 2D25DL	25 A	2	1/6	09 832 223	982253
DLS 9 2D30DL	30 A	2	1/6	09 832 224	982284
DLS 9 2D40DL	40 A	2	1/6	09 832 227	982376
DLS 9 2D50DL	50 A	2	1	09 832 228	982406
DLS 9 2D60DL	60 A	2	1	09 832 229	982437

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: 100, 101

miniature circuit-breakers DMCB 2

for industrial facilities, up to 25 kA

C-characteristic

1-pole

DMCB 2 C080-1	80 A, 20 kA	1.5	1/12	09 915 070	225602
DMCB 2 C100-1	100 A, 20 kA	1.5	1/12	09 915 071	225619
DMCB 2 C125-1	125 A, 15 kA	1.5	1/12	09 915 072	225626

2-pole

DMCB 2 C080-2	80 A, 20 kA	3	1/6	09 915 073	225633
DMCB 2 C100-2	100 A, 20 kA	3	1/6	09 915 074	225640
DMCB 2 C125-2	125 A, 15 kA	3	1/6	09 915 075	225657

3-pole

DMCB 2 C063-3	63 A, 25 kA	4.5	1/4	09 915 076	225664
DMCB 2 C080-3	80 A, 20 kA	4.5	1/4	09 915 077	225671
DMCB 2 C100-3	100 A, 20 kA	4.5	1/4	09 915 078	225688
DMCB 2 C125-3	125 A, 15 kA	4.5	1/4	09 915 079	225695

3-pole+N

DMCB 2 C080-3N	80 A, 20 kA	6	1/3	09 915 083	225732
DMCB 2 C100-3N	100 A, 20 kA	6	1/3	09 915 084	225749
DMCB 2 C125-3N	125 A, 15 kA	6	1/3	09 915 085	225756

4-pole

DMCB 2 C080-4	80 A, 20 kA	6	1/3	09 915 080	225701
DMCB 2 C100-4	100 A, 20 kA	6	1/3	09 915 081	225718
DMCB 2 C125-4	125 A, 15 kA	6	1/3	09 915 082	225725

Accessories: operating current trip DMCB 2 ASA, auxiliary switches DMCB 2 Hi
on Page: 100, 101

miniature circuit-breakers (MCB), accessories (MCB)

mod. widths pack. units article No. EAN (4014712...)

6 kA



miniature circuit-breakers ELS 3

compact design, 6 kA

B-characteristic

1-pole+N

ELS 3 B06/1+N	6 A	1	1	09915021	137363
ELS 3 B10/1+N	10 A	1	1	09915022	137370
ELS 3 B13/1+N	13 A	1	1	09915023	137387
ELS 3 B16/1+N	16 A	1	1	09915024	137394
ELS 3 B20/1+N	20 A	1	1	09915025	137400
ELS 3 B25/1+N	25 A	1	1	09915026	137417
ELS 3 B32/1+N	32 A	1	1	09915027	137424
ELS 3 B40/1+N	40 A	1	1	09915028	137769

C-characteristic

1-pole+N

ELS 3 C02/1+N	2 A	1	1	09915029	137721
ELS 3 C04/1+N	4 A	1	1	09915030	137653
ELS 3 C06/1+N	6 A	1	1	09915031	137431
ELS 3 C10/1+N	10 A	1	1	09915032	137677
ELS 3 C13/1+N	13 A	1	1	09915033	137455
ELS 3 C16/1+N	16 A	1	1	09915034	137684
ELS 3 C20/1+N	20 A	1	1	09915035	137707
ELS 3 C25/1+N	25 A	1	1	09915036	137486
ELS 3 C32/1+N	32 A	1	1	09915037	137493
ELS 3 C40/1+N	40 A	1	1	09915038	137776

Accessories: restart locks RH-SPE
on Page: 100

Accessories

auxiliary switches DHi/Hi

Auxiliary switches report the status of the main devices to which they are fitted.



DHi 3	1 NO	0.5	1	09917984	197275
DHi 4	1 NC/1 NO	0.5	1	09917985	197282
DHi 5	2 NC/1 NO	0.5	1	09917986	197299
DHi 6	1 NC/2 NO	0.5	1	09917987	197305
DHi 7	1 CO	0.5	1	09917988	197312
DHi 8	2 CO	0.5	1	09917989	197329
DHi 8 H10UM	1 NO	0.5	1	09200080	957145
DHi 8 H11UM	1 NC/1 NO	0.5	1	09200081	957176
DHi 8 H12UM	2 NC/1 NO	0.5	1	09200082	982468
DHi 8 H21UM	1 NC/2 NO	0.5	1	09200083	957206
DHi 9 H10UL	1 NO	0.5	1	09200100	957350
DHi 9 H11UL	1 NC/1 NO	0.5	1	09200101	957381
DHi 9 H12UL	2 NC/1 NO	0.5	1	09200102	957411
DHi 9 H21UL	1 NC/2 NO	0.5	1	09200103	957442
DMCB 2 Hi 1	1 NC/1 NO	0.5	1	09915086	225763

Accessories

restart locks DEASS/RH-SPE

Equipment which prevents the unintentional activation of switching devices, e.g. during maintenance work.



DEASS	1	09917983	197268
RH-SPE	1	09981115	252677

Accessories

terminal caps KA/RH-KA

for DLS 6 miniature circuit-breakers and series RH main switches



KA-DLS/RH	1	09913997	067356
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EAN refers to individual item | All illustrations are non-binding.

accessories (MCB), automatic reclosing devices (ARD)

mod. widths pack. units article No. EAN (4014712...)

Accessories

operating current trip DASA

for DLS 6 and DMCB 2 / for DLS 6 and DMCB 2



DASA 12	12V	1	1	09917992	197350
DASA 230	110 V ... 230 V	1	1	09917995	197381
DASA 24	24V	1	1	09917993	197367
DASA 48	48 V ... 74 V	1	1	09917994	197374
DASA 8 FA110UM	240 V, 415 V	1	1	09200093	957329
DASA 8 FA12UM	12V	1	1	09200090	957237
DASA 8 FA24UM	24V	1	1	09200091	957268
DASA 8 FA48UM	48V	1	1	09200092	957299
DASA 9 FA110UL	277V	1	1	09200113	957565
DASA 9 FA12UL	12V	1	1	09200110	957473
DASA 9 FA24UL	24V	1	1	09200111	957503
DASA 9 FA48UL	48V	1	1	09200112	957534
DMCB 2 ASA 1	230V	1.5	1	09915087	225770

Accessories

trip-indicating auxiliary contact DHi-S

trip-indicating auxiliary contacts



DHi-S10	1 CO	0.5	1	09917990	197336
DHi-S11	2 CO	0.5	1	09917991	197343

Accessories

software DBS

For DFS 2, DFS 4 and DLS 6



DBS V2		1		09917979	249028
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Download free-of-charge online at www.doepke.de.

Accessories

documentation sheets of labels (printable)



documentation sheets DLS 6, A4	5900188B
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Accessories

spacers DHDS

for relays and installation contactors



DHDS	0.5	1	09860401	250888
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automatic reclosing devices DFA 2

Remote actuation for residual current circuit-breakers of series DFS 2 and DFS 4



for RCCB up to 63 A

DFA 2-1	24 V AC/DC, Switch-on attempts: 1	4	1	09100112	208339
DFA 2-2	24 V AC/DC, Switch-on attempts: 1 or 3	4	1	09100113	208346
DFA 2-4	230 V AC, Switch-on attempts: 1 or 3	4	1	09100115	211803

for RCCB up to 125 A

DFA 2	24 V AC/DC, Switch-on attempts: 1	4	1	09100110	205598
DFA 2-3	230 V AC, Switch-on attempts: 1 or 3	4	1	09100114	208445

DFA 2-3/2-4: Resistance cable DFA 2-RC is required for remote tripping with rated residual current $I_{\Delta n}$ of the connected residual current circuit-breaker.

Accessories: doorbell transformers RK, cables DFA 2-RC
on Page: 102

automatic reclosing devices (ARD), accessories (ARD)

mod. pack. article No. EAN
widths units (4014712...)

automatic reclosing devices DFA 3



Compact remote actuation for residual current circuit-breakers in series DFS 2 and DFS 4

for RCCB up to 125 A

DFA 3 024DC-0	24 V DC, Switch-on attempts: 0	1	1	09100141	240940
DFA 3 024DC-3	24 V DC, Switch-on attempts: 3	1	1	09100143	240964

operating voltage 24 V DC

Accessories

doorbell transformers RK



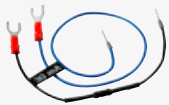
for converting the mains voltage 230 V into SELV

RK 24	8/12/24 V; 2/1.3/0.6 A, switchable	2	1	09980654	118720
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Primary voltage 230 V AC/50 Hz, duty cycle 100%

Accessories

cables DFA 2-RC



assembled cable harness for test button function DFA 2-3 and DFA 2-4

DFA 2 - RC 030	30 mA	1	09100150	213890
DFA 2 - RC 100	100 mA	1	09100151	213906
DFA 2 - RC 300	300 mA	1	09100152	213913

for DFA 2-3 and DFA 2-4

wiring components

wiring components RCCB/MCB busbars

Busbars for residual current operated and miniature circuit-breakers, Eurovario system as per EN 60664-1, 10 mm²

1-pole

EV-S G 1+Hi.2.70	(L1-Hi) x 2	2.5	1	09920164	045538
EV-S G 1+Hi.6.70	(L1-Hi) x 6	8.5	1	09920165	045545
EV-S G 1+Hi.8.70	(L1-Hi) x 8	11.5	1	09920166	045552
EV-S G 1.12.70	L1 x 12	12	1	09920111	021518
EV-S G 1.2.70	L1 x 2	2	1	09920158	021495
EV-S G 1.3.70	L1 x 3	3	1	09920112	118959
EV-S G 1.4.70	L1 x 4	4	1	09920126	123861
EV-S G 1.6.70	L1 x 6	6	1	09920110	021501

2-pole

EV-S G 2+Hi.10.120	(L1, L2/N-Hi) x 5	12	1	09920174	045736
EV-S G 2+Hi.4.120	(L1, L2/N-Hi) x 2	4.5	1	09920172	045712
EV-S G 2+Hi.6.120	(L1, L2/N-Hi) x 3	7	1	09920173	045729
EV-S G 2.12.120	(L1, L2/N) x 6	12	1	09920115	021563
EV-S G 2.4.120	(L1, L2/N) x 2	4	1	09920171	045675
EV-S G 2.6.120	(L1, L2/N) x 3	6	1	09920114	021556
EV-S G 2.8.120	(L1, L2/N) x 4	8	1	09920303	134584

3-pole

with recess N left

EV-S G 3.11.120	(L1, L2, L3) x 3 + L1, L2	11	1	09920190	103528
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with recess N right

EV-S G 3/N.5.120	L1, L2, L3-N + L2, L3, L1, L2, L3	9	1	09920184	045972
EV-S G 3/N.6.120	L1, L2, L3-N+L1, L2, L3, L1, L2, L3	10	1	09920325	274273
EV-S G 3/N.8.120	L1, L2, L3-N + L2, L3 + (L1, L2, L3) x 2	12	1	09920185	045989

without recess

EV-S G 3+Hi.12.120	(L1, L2, L3-Hi) x 4	13.5	1	09920177	045828
EV-S G 3+Hi.6.120	(L1, L2, L3-Hi) x 2	6.5	1	09920176	045811
EV-S G 3.1+Hi.6.120	L1-Hi, L2-Hi, L3-Hi) x 2	8.5	1	09920178	045835
EV-S G 3.1+Hi.8.120	(L1-Hi, L2-Hi, L3-Hi) x 2 + L1-Hi, L2-Hi	11.5	1	09920179	045842
EV-S G 3.12.120	(L1, L2, L3) x 4	12	1	09920119	021600
EV-S G 3.16.120	(L1, L2, L3) x 5 + L1	16	1	09920187	077829
EV-S G 3.6.120	(L1, L2, L3) x 2	6	1	09920118	021594
EV-S G 3.8.120	(L1, L2, L3) x 2 + (L1, L2) x 1	8	1	09920302	134577
EV-S G 3.9.120	(L1, L2, L3) x 3	9	1	09920175	045781

4-pole

EV-S G 3.1+N.12.120	(L1+N, L2+N, L3+N) x 2	12	1	09920182	045958
EV-S G 3.1+N.18.120	(L1+N, L2+N, L3+N) x 3	18	1	09920183	045965
EV-S G 4.12.120	(L1, L2, L3, N) x 3	12	1	09920123	021648
EV-S G 4.12.120 L	(N, L1, L2, L3) x 3	12	1	09920125	123816
EV-S G 4.8.120	(L1, L2, L3, N) x 2	8	1	09920122	021631

Busbars with pin design and higher current-carrying capacity available upon request.

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES
on Page: 105

wiring components

mod. widths pack. units article No. EAN (4014712...)

wiring components RCCB/MCB busbars that can be cut to length

Busbars (1000 mm), can be cut to length, for residual current operated and miniature circuit-breakers



1-pole

G.1.56.16/90°iso	16 mm², L1	56	1	09920313	149618
G.1.56.80/12/90°iso	10 mm², L1	56	1	09920150	015289

2-pole

G.2.56.130/16	16 mm², L1, L2	56	1	09920311	145092
GM.2.56.100/10	10 mm², L1, L2	56	1	09920301	134560

3-pole

GM.3.57.100/10	10 mm², L1, L2, L3	57	1	09920300	134553
GM.3.57.130/16	16 mm², L1, L2, L3	57	1	09920312	145108

4-pole

GM.3.54.100/10/N	10 mm², L1+N, L2+N, L3+N	54	1	09920310	145085
GM.3.54.130/16/N	16 mm², L1+N, L2+N, L3+N	54	1	09920304	137097
GM.4.56.100/10	10 mm², L1, L2, L3, N	56	1	09920314	160378
GM.4.56.130/16	16 mm², L1, L2, L3, N	56	1	09920315	160385

Accessories: protective cover caps, end caps EK, input terminals AS, Feed-in terminal blocks ES
on Page: **105, 106**

wiring components adapter busbars

Connection rails for residual current operated and miniature circuit-breakers for power supply from above



3-pole

EV-S G ANL	16 mm², (L1, L2, L3) x 2	6	1	09920127	200692
EV-S G ANR	16 mm², L1, L2, L3, (N), L1, L2, L3	7	1	09920128	200708

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES
on Page: **105, 106**

wiring components DRCBO 4-busbars

For RCCB/MCB combinations DRCBO 4 type B/B+



2-pole

BG2.5.10	fork, 10 mm², 5 x (L, N)	12	1	09920151	269712
BG2.5.16	fork, 16 mm², 5 x (L, N)	12	1	09920152	269729

4-pole

BG4.2.10	fork, 10 mm², L1, L2, L3, N, L1, L2, L3, N	8.5	1	09920157	269774
BG4.2.16	fork, 16 mm², L1, L2, L3, N, L1, L2, L3, N	8.5	1	09920159	269781
BG4.3.10	fork, 10 mm², 3 x (L1, L2, L3, N)	13	1	09920155	269750
BG4.3.16	fork, 16 mm², 3 x (L1, L2, L3, N)	13	1	09920156	269767
BG4.5.10	fork, 10 mm², L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09920153	269736
BG4.5.16	fork, 16 mm², L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09920154	269743

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES
on Page: **105, 106**

wiring components row connection bars



3-pole

RVS 3.125.120	Mounting rail distance 125 mm	3	1	09920286	076006
RVS 3.150.120	Mounting rail distance 150 mm	3	1	09920287	076013

wiring components, accessories (wiring components)

mod. widths pack. units article No. EAN (4014712...)

wiring components D0 busbars

Busbars, can be cut to length, Do fuse-switch-disconnector Tytan/Coron

1-pole

B G037-1-25/120 D0	fork, 1 x 25 mm ² , L1	37	1	09980143	049031
B G037-1-35/125 D0 iso	pin, 1 x 35 mm ² , L1	37	1	09980095	075955
B S037-1-16/080 D0	pin, 1 x 16 mm ² , L1	37	1	09980141	049017

2-pole

B S039-2-35/125 D0	pin, 2 x 35 mm ² , L1, L2	38	1	09980096	075962
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3-pole

B S039-3-16/080 D0	pin, 3 x 16 mm ² , L1, L2, L3	39	1	09980142	049024
B S039-3-25/120 D0	pin, 3 x 25 mm ² , L1, L2, L3	39	1	09980145	049055
B S039-3-35/125 D0	pin, 3 x 35 mm ² , L1, L2, L3	39	1	09980097	075979

4-pole

B S039-4-16/080 D0	pin, 4 x 16 mm ² , L1, L2, L3, N	36	1	09980093	063105
B S039-4-35/125 D0	pin, 4 x 35 mm ² , L1, L2, L3, N	36	1	09980098	075986

Accessories: end caps EK, input terminals AS, Feed-in terminal blocks ES
on Page: 105, 106

wiring components DAFDD busbars

For DAFDD arc fault detection devices

2-pole, fork, 10 mm²

B G12TE-1/N/S-10	(L, N, S) x 4	12	1	09920130	239500
B G60TE-1/N/S-10	(L, N, S) x 20	60	1	09920131	239531

4-pole, fork, 10 mm²

B G12TE-3/N/S-10	L1, N, S, L2, N, S, L3, N, S, L1, N, S	12	1	09920132	240551
B G60TE-3/N/S-10	L1, N, S, L2, N, S, L3, N, S, L1, ...	60	1	09920133	239524

60 MW bar, can be cut to length

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES, end caps EK
on Page: 105, 106

Accessories

Feed-in terminal blocks ES

Feed-in terminal blocks for busbars



ES/35 G/S	mountable side-by-side	1	09920099	015463
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Accessories

input terminals AS

MCB-Input terminals 6-25 mm²


AS 25-Gi	fork design	1	09920104	015449
AS 25-SLi	pin design, long	1	09920186	046061
AS 25-Si	pin design	1	09920087	021679

Accessories

protective cover caps EV-S BS

to cover free connections for Eurovario busbars



EV-S BS	thermoplastic, yellow	1	09920160	021686
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accessories (wiring components), fuse-switch-disconnector

mod. widths pack. units article No. EAN (4014712...)

Accessories

end caps EK

for busbars which can be cut to length



EK-1/10/16	1-pole, for busbars 10/16 mm ²	1	09920097	202603
EK-1/25/35	1-pole, for busbars 25/35 mm ²	1	09920096	202597
EK-2/10	2-pole, for busbars 10 mm ²	1	09920093	270404
EK-2/3/10/16	3-pole, for busbar (10/16 mm ²), 2-pole (16 mm ²)	1	09920098	015425
EK-2/3/35	2-, 3-pole, for busbars 35 mm ²	1	09920094	202573
EK-2/3/4/25	2-, 3-, 4-pole, for busbars 25 mm ²	1	09920095	202580
EK-3/10/16	3-pole, for busbars GM.3.57...10/16 mm ²	1	09920103	249929
EK-4/10/16	4-pole, for busbars 10/16 mm ²	1	09920102	015432

fuse-switch-disconnector Tytan



with fitted cartridges in the colour corresponding to the rated current and fuse plug, without fuse

electronic

1-pole

Tytan II D0-63-1/E	63 A, copper	NEW	1.5	1	09980169	278585
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3-pole

Tytan II D0-63-3/E	63 A, copper	NEW	4.5	1	09980100	112223
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mechanical

1-pole

Tytan II D0-02-1/S	2 A, pink	SELLOUT	1.5	1	09980385	123106
Tytan II D0-04-1/S	4 A, brown	SELLOUT	1.5	1	09980386	123113
Tytan II D0-06-1/S	6 A, green	SELLOUT	1.5	1	09980387	123120
Tytan II D0-10-1/S	10 A, red	SELLOUT	1.5	1	09980388	123137
Tytan II D0-16-1/S	16 A, grey	SELLOUT	1.5	1	09980389	123144
Tytan II D0-20-1/S	20 A, blue	SELLOUT	1.5	1	09980390	123151
Tytan II D0-25-1/S	25 A, yellow	SELLOUT	1.5	1	09980382	089631
Tytan II D0-35-1/S	35 A, black	SELLOUT	1.5	1	09980381	089624
Tytan II D0-50-1/S	50 A, white	SELLOUT	1.5	1	09980380	089617
Tytan II D0-63-1/S	63 A, copper	SELLOUT	1.5	1	09980086	063112

3-pole

Tytan II D0-02-3/S	2 A, pink	SELLOUT	4.5	1	09980391	123168
Tytan II D0-04-3/S	4 A, brown	SELLOUT	4.5	1	09980392	123175
Tytan II D0-06-3/S	6 A, green	SELLOUT	4.5	1	09980393	123182
Tytan II D0-10-3/S	10 A, red	SELLOUT	4.5	1	09980394	123199
Tytan II D0-16-3/S	16 A, grey	SELLOUT	4.5	1	09980395	123205
Tytan II D0-20-3/S	20 A, blue	SELLOUT	4.5	1	09980396	123212
Tytan II D0-25-3/S	25 A, yellow	SELLOUT	4.5	1	09980397	123229
Tytan II D0-35-3/S	35 A, black	SELLOUT	4.5	1	09980383	118638
Tytan II D0-50-3/S	50 A, white	SELLOUT	4.5	1	09980384	118645
Tytan II D0-63-3/S	63 A, copper	SELLOUT	4.5	1	09980087	063129

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK on Page: **111, 112**

fuse-switch-disconnector Tytan with monitoring (empty housing)



with safety monitoring (LED and relay contacts: 1NO, 1CO), with fitted cartridges up to 63 A, without fuse plug and fuse



Tytan II D0-63-1+N/M	4.5	1	09980091	063167
Tytan II D0-63-1/M	3	1	09980088	063136
Tytan II D0-63-2/M	4.5	1	09980089	063143
Tytan II D0-63-3+N/M	7.5	1	09980092	063174
Tytan II D0-63-3/M	6	1	09980090	063150

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK on Page: **111, 112**

fuse-switch-disconnector, switch-disconnectors

mod. widths pack. units article No. EAN (4014712...)

fuse-switch-disconnector Tytan lockable (empty housing)



Lockable empty housing with fitted cartridge up to 63 A, without fuse plug and fuse

Tytan II D0-63-3+N/V	6	1	09980107	048676
Tytan II D0-63-3/V	4.5	1	09980106	048669

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK on Page: [111](#), [112](#)

fuse-switch-disconnector Tytan (for track mounting)



Empty housing with 40-mm adapter for track mounting with fitted cartridge up to 63 A, without fuse plug and fuse

Tytan II D0-63-3/B	4.5	1	09980400	160460
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Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK on Page: [111](#), [112](#)

fuse-switch-disconnector Tytan (empty housing)



Empty housing with fitted cartridge up to 63 A, without fuse plug and fuse

Tytan II D0-63-1	1.5	1	09980101	048614
Tytan II D0-63-1+N	3	1	09980104	048645
Tytan II D0-63-2	3	1	09980102	048621
Tytan II D0-63-3	4.5	1	09980103	048638
Tytan II D0-63-3+N	6	1	09980105	048652

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK on Page: [111](#), [112](#)

fuse-switch-disconnector Coron 2



Screwcap-less plug-in technology with fuse plug and flashing indicator for conventional fitted sleeves, without fuse

Coron 2 63-1	1.5	1	09980671	132122
Coron 2 63-2	3	1	09980672	132139
Coron 2 63-3	4.5	1	09980673	132146

Accessories: wiring components Do busbar can be cut to length, retaining springs Coron, input terminals DK on Page: [110](#)

switch-disconnectors DHS



The DHS switch-disconnectors are used as main switches for connected circuit distribution boards.

63 A				
DHS 2-063	2-pole	2	1	09900005 129665
DHS 4-063	4-pole	4	1	09900007 129764
80 A				
DHS 2-080	2-pole	2	1	09900006 129788
DHS 4-080	4-pole	4	1	09900008 129801
100 A				
DHS 2-100	2-pole	2	1	09900001 111479
DHS 4-100	4-pole	4	1	09900003 111516
125 A				
DHS 2-125	2-pole	2	1	09900002 111493
DHS 4-125	4-pole	4	1	09900004 111530

DHS 4 neutral wire position on left, also available as N on right without additional charge.

Accessories: software DBS, terminal caps KA, auxiliary switches DHi, restart locks DFS WES on Page: [112](#)

switch-disconnectors

mod. widths pack. units article No. EAN (4014712...)

switch-disconnectors DHS NA



The DHS NA switch-disconnectors with emergency shut-off function are used as main switches for connected circuit distribution boards.

63 A

DHS 4-063 NA	4-pole	4.5	1	09900 009	233799
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125 A

DHS 4-125 NA	4-pole	4.5	1	09900 012	236547
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DHS with emergency shut-off function ('NA' variant) make it possible to connect corresponding control elements, e.g. push-buttons for switch-off during emergencies.

Accessories: software DBS, terminal caps KA, restart locks DFS WES
on Page: [112](#)

switch-disconnectors RH



The devices in series RH are switch-disconnectors, with contacts that are very durable.

16 A

RH 016-100	1 NO	1	1	09981052	215016
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20 A

RH 020-100	1 NO	1	1	09981053	215023
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RH 020-200	2 NO	2	1	09981087	215153
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RH 020-300	3 NO	3	1	09981088	215160
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25 A

RH 025-300	3 NO	3	1	09981054	215061
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32 A

RH 032-100	1 NO	1	1	09981093	224056
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RH 032-200	2 NO	2	1	09981089	215177
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RH 032-300	3 NO	3	1	09981055	215078
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40 A

RH 040-100	1 NO	1	1	09981056	215030
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RH 040-200	2 NO	2	1	09981057	215122
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RH 040-300	3 NO	3	1	09981058	215085
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RH 040-400	4 NO	4	1	09981059	215108
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63 A

RH 063-100	1 NO	1	1	09981060	154841
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RH 063-200	2 NO	2	1	09981061	154858
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RH 063-300	3 NO	3	1	09981062	154865
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RH 063-400	4 NO	4	1	09981063	154872
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80 A

RH 080-300	3 NO	3	1	09981067	215092
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RH 080-400	4 NO	4	1	09981108	240407
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100 A

RH 100-200	2 NO	2	1	09981065	215054
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RH 100-300	3 NO	3	1	09981064	154889
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RH 100-400	4 NO	4	1	09981066	215115
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Accessories: terminal caps KA, restart locks RH-SPE
on Page: [112](#)

impulse switch (remote switches) RS



The impulse relays (remote switches) in series RS are suitable for switching electrical consumers up to 16 A in intermittent operation.

008 V AC / 16 A

RS 008-001	1 CO	1	1	09981041	154759
RS 008-100	1 NO	1	1	09981030	154643
RS 008-110	1 NC/1 NO	1	1	09981037	154711

012 V AC / 16 A

RS 012-001	1 CO	1	1	09981042	154766
RS 012-002	2 CO	2	1	09981045	154797
RS 012-100	1 NO	1	1	09981031	154650
RS 012-110	1 NC/1 NO	1	1	09981038	154728
RS 012-200	2 NO	1	1	09981034	154681

024 V AC / 16 A

RS 024-001	1 CO	1	1	09981043	154773
RS 024-002	2 CO	2	1	09981046	154803
RS 024-100	1 NO	1	1	09981032	154667
RS 024-110	1 NC/1 NO	1	1	09981039	154735
RS 024-200	2 NO	1	1	09981035	154698

230 V AC / 16 A

RS 230-001	1 CO	1	1	09981044	154780
RS 230-002	2 CO	2	1	09981047	154810
RS 230-100	1 NO	1	1	09981033	154674
RS 230-110	1 NC/1 NO	1	1	09981040	154742
RS 230-200	2 NO	1	1	09981036	154704

Accessories: capacitor blocks RS, spacers DHDS
on Page: [112](#)

control switches RSS (push-button version)



The RSS control switches with push-button (latching) are suitable for switching electrical consumers up to 16 A.

250 V AC / 16 A

RSS 016-001	1 CO	1	1	09981077	154957
RSS 016-100	1 NO	1	1	09981070	154896
RSS 016-200	2 NO	1	1	09981071	154902

250 V AC / 16 A with LED

RSS 016-100L	1 NO	1	1	09981075	154933
RSS 016-200L	2 NO	1	1	09981076	154940

control switches RSS (toggle design)



The RSS control switches with toggle are suitable for switching electrical consumers.

250 V AC / 16 A

RSS 016-300	3 NO	1	1	09981072	154919
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group switches (changeover switches) RG



The group switches of the RG series are suitable for switching one-phase electrical consumers up to 16 A and have one zero position.

230 V AC / 16 A

RG 016-001	1 CO	1	1	09981080	154971
RG 016-002	2 CO	1	1	09981081	154988

impulse switch with central control, impulse switch (remote switches), control buttons, accessories (switches and push-buttons)

mod. pack. article No. EAN
widths units (4014712...)

impulse switch with central control RSZ



The impulse relays (remote switches with central control) in series RSZ are suitable for switching electrical consumers up to 16 A in intermittent operation.

024 V AC / 16 A

RSZ 024-100	1 NO	1	1	09981050	154827
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230 V AC / 16 A

RSZ 230-100	1 NO	1	1	09981051	154834
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Accessories: capacitor blocks RS, spacers DHDS
on Page: [112](#)

impulse switch (remote switches) SIR



This DC-impulse relay (remote switch) is suitable for switching electrical consumers (230 V AC/16 A) in intermittent operation.

024 V DC / 16 A

SIR 16 L		1	1	09500153	064928
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control buttons RT



The RT control buttons allow impulses to be generated for electrical consumers or within controls with a rated current of up to 16 A.

250 V AC / 16 A

RT 016-100	1 NO	1	1	09981084	155008
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RT 016-110	1 NC/1 NO	1	1	09981085	155015
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250 V AC / 16 A with LED

RT 016-110L	1 NC/1 NO	1	1	09981086	155022
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Accessories

wiring components D0 busbars

Busbars, can be cut to length, Do fuse-switch-disconnector Tytan/Coron

B G037-1-25/120 D0	fork, 1 x 25 mm ² , L1	37	1	09980143	049031
B G037-1-35/125 D0 iso	pin, 1 x 35 mm ² , L1	37	1	09980095	075955
B S037-1-16/080 D0	pin, 1 x 16 mm ² , L1	37	1	09980141	049017
B S039-2-35/125 D0	pin, 2 x 35 mm ² , L1, L2	38	1	09980096	075962
B S039-3-16/080 D0	pin, 3 x 16 mm ² , L1, L2, L3	39	1	09980142	049024
B S039-3-25/120 D0	pin, 3 x 25 mm ² , L1, L2, L3	39	1	09980145	049055
B S039-3-35/125 D0	pin, 3 x 35 mm ² , L1, L2, L3	39	1	09980097	075979
B S039-4-16/080 D0	pin, 4 x 16 mm ² , L1, L2, L3, N	36	1	09980093	063105
B S039-4-35/125 D0	pin, 4 x 35 mm ² , L1, L2, L3, N	36	1	09980098	075986

Accessories

retaining springs Coron 2

for using Do1 fuses

Coron 2 HF		1		09980674	132153
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Accessories

input terminals DK

for looping through supply line

DK D0		1		09980140	049000
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permissible connector cross-section 1.5 mm² - 35 mm²

accessories (switches and push-buttons)

Accessories



fuse plug sets DSE D0

electronic display, 50 - 400 VAC/50 - 250 VDC

DSE D0-01	1 A, purple	NEW	1	09980676	276826
DSE D0-02	2 A, pink	NEW	1	09980677	276840
DSE D0-04	4 A, brown	NEW	1	09980678	276864
DSE D0-06	6 A, green	NEW	1	09980679	276888
DSE D0-10	10 A, red	NEW	1	09980680	276901
DSE D0-13	13 A, ochre	NEW	1	09980681	276925
DSE D0-16	16 A, grey	NEW	1	09980682	276949
DSE D0-20	20 A, blue	NEW	1	09980683	276963
DSE D0-25	25 A, yellow	NEW	1	09980684	276987
DSE D0-32	32 A, Purple	NEW	1	09980685	277007
DSE D0-35	35 A, black	NEW	1	09980686	277021
DSE D0-40	40 A, purple	NEW	1	09980687	277045
DSE D0-50	50 A, white	NEW	1	09980688	277069
DSE D0-63	63 A, copper	NEW	1	09980689	277083

Contents of the Tytan fuse plug sets: 3 fuse plugs, 3 fitted cartridges, 3 fuses

Accessories



fuse plug sets DSE D02 EI

electronic display, 230/400 VAC

DSE D02-01 EI	1 A, purple	SELLOUT	1	09980109	048690
DSE D02-02 EI	2 A, pink	SELLOUT	1	09980110	048706
DSE D02-04 EI	4 A, brown	SELLOUT	1	09980111	048713
DSE D02-06 EI	6 A, green	SELLOUT	1	09980112	048720
DSE D02-10 EI	10 A, red	SELLOUT	1	09980113	048737
DSE D02-16 EI	16 A, grey	SELLOUT	1	09980114	048744
DSE D02-20 EI	20 A, blue	SELLOUT	1	09980115	048751
DSE D02-25 EI	25 A, yellow	SELLOUT	1	09980116	048768
DSE D02-35 EI	35 A, black	SELLOUT	1	09980117	048775
DSE D02-40 EI	40 A, green	SELLOUT	1	09980640	201866
DSE D02-50 EI	50 A, white	SELLOUT	1	09980118	048782
DSE D02-63 EI	63 A, copper	SELLOUT	1	09980119	048799

Contents of the Tytan fuse plug sets: 3 fuse plugs, 3 fitted cartridges, 3 fuses

Accessories



fuse plug sets DSE D02 MI

mechanical display, 230/400 VAC

DSE D02-02 MI	2 A, pink	SELLOUT	1	09980120	048805
DSE D02-04 MI	4 A, brown	SELLOUT	1	09980121	048812
DSE D02-06 MI	6 A, green	SELLOUT	1	09980122	048829
DSE D02-10 MI	10 A, red	SELLOUT	1	09980123	048836
DSE D02-16 MI	16 A, grey	SELLOUT	1	09980124	048843
DSE D02-20 MI	20 A, blue	SELLOUT	1	09980125	048850
DSE D02-25 MI	25 A, yellow	SELLOUT	1	09980126	048867
DSE D02-35 MI	35 A, black	SELLOUT	1	09980127	048874
DSE D02-40 MI	40 A, green	SELLOUT	1	09980641	201880
DSE D02-50 MI	50 A, white	SELLOUT	1	09980128	048881
DSE D02-63 MI	63 A, copper	SELLOUT	1	09980129	048898

Standard series 230/400 V, 3 plugs, 3 fitted cartridges, 3 fuses, 1 box, for mounting the Tytan fuse-switch-disconnector.

accessories (switches and push-buttons)

Accessories

restart locks Tytan locks



Tytan II D0 WES-K-bl	blue	3	1	09980136	048966
Tytan II D0 WES-K-ge	yellow	3	1	09980138	048980
Tytan II D0 WES-K-gn	green	3	1	09980137	048973
Tytan II D0 WES-K-rt	red	3	1	09980139	048997
Tytan II D0 WES-K-sw	black	3	1	09980135	048959
Tytan II D0 WES-M-bl	blue, 5A4	3	1	09980131	048911
Tytan II D0 WES-M-ge	yellow, 5A1	3	1	09980134	048942
Tytan II D0 WES-M-gn	green, 5A3	3	1	09980132	048928
Tytan II D0 WES-M-rt	red, 5A2	3	1	09980133	048935
Tytan II D0 WES-M-sw	black, 5A5	3	1	09980130	048904

K = plastic, M = metal

Accessories

restart locks RH-SPE/WES



Equipment which prevents the unintentional activation of switching devices, e.g. during maintenance work.

RH-SPE		1		09981115	252677
WES		1		09913993	149656

Accessories

terminal caps KA/RH-KA



for protection against contact with voltage from leading terminals

KA-DFS 2	sealable	1		09200011	089440
KA-DFS 4	sealable	1		09200012	123779
KA-RH		1		09981069	158023

Accessories

auxiliary switches DHI



Auxiliary switches report the status of the main devices to which they are fitted.

DHI 11	1 NC/1 CO	0.5	1	09200040	198388
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Accessories

software DBS



For DFS 2, DFS 4 and DLS 6

DBS V2		1		09917979	249028
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Download free-of-charge online at www.doecke.de.

Accessories

capacitor blocks RS-KB



for compensating for voltage increases

RS-KB		1	1	09981096	158009
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Accessories

spacers DHDS



for relays and installation contactors

DHDS		0.5	1	09860401	250888
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installation relays, time relays, stairwell lighting time switches, timers

mod. widths pack. units article No. EAN (4014712...)

installation relays RI

The RI installation relays are suitable for switching single-phase consumers up to 20 A.

008 V AC / 20 A

RI 008-001	1 CO	1	1	09981010	154568
RI 008-100	1 NO	1	1	09981001	154476
RI 008-110	1 NC/1 NO	1	1	09981005	154513

012 V AC / 20 A

RI 012-001	1 CO	1	1	09981011	154575
RI 012-100	1 NO	1	1	09981002	154483
RI 012-110	1 NC/1 NO	1	1	09981006	154520

024 V AC / 20 A

RI 024-001	1 CO	1	1	09981012	154582
RI 024-002	2 CO	2	1	09981014	154605
RI 024-100	1 NO	1	1	09981003	154490
RI 024-110	1 NC/1 NO	1	1	09981007	154537

024 V DC / 20 A

RI 024-100 DC	1 NO	1	1	09981016	154629
RI 024-110 DC	1 NC/1 NO	1	1	09981017	154636

230 V AC / 20 A

RI 230-001	1 CO	1	1	09981013	154599
RI 230-002	2 CO	2	1	09981015	154612
RI 230-100	1 NO	1	1	09981004	154506
RI 230-110	1 NC/1 NO	1	1	09981008	154544
RI 230-200	2 NO	1	1	09981009	154551

Accessories: spacers DHDS
on Page: 114

time relays RZ

multifunctional time relay with long time ranges

RZM 128	12 V ... 240 V AC/DC	1	1	09980715	151659
RZQ 248	24 V ... 240 V AC/DC	1	1	09980716	151666

1 changeover contact, rated current 8 A, time range of 50 ms to 100 h

stairwell lighting time switches RTZ

electronic stairwell lighting time switches with switch-off pre-warning

RTZ 2		1	1	09980719	151697
RTZ F		1	1	09980720	151703

1 NO contact, rated voltage 230 V AC, rated current 10 A

timers Uno

The mechanical time switches from the Uno series control one electrical load circuit each via day and/or week programs.

Uno D	daily program, 0 h Reserve power	1	1	09800033	151062
Uno QRD	daily program, 150 h Reserve power	1	1	09800034	151079
Uno QRS	daily program, weekly program, 150 h Reserve power	1	1	09800035	151086

1 NO contact, operating voltage 230 V AC

timers, accessories (relays), installation contactors

mod. widths pack. units article No. EAN (4014712...)

timers Data Micro



The compact digital time switches from the Data Micro series control up to two electrical load circuits via day and week programs.

Data Micro +	1 CO	2	1	09800031	151048
Data Micro 2+	2 CO	2	1	09800032	151055

Day, week and holiday program, 250 hours reserve power, rated voltage 230 V AC

timers DTSW Astro



time switch for controlling electrical consumers depending on sunrise and sunset times.

DTSW Astro 1	2 CO	2	1	09800037	221420
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sunrise, sunset, hourly program, daily program, weekly program, holiday program, 48 h Power reserve, rated voltage 250 V

Accessories

spacers DHDS

for relays and installation contactors



DHDS		0.5	1	09860401	250888
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installation contactors HS 24 V AC

for switching one and three-phase consumers, low-noise design

024 V AC

20 A

HS 1-024AC/20-02	4.6 kW, 2 NC	SELLOUT	1	1	09980405	067073
HS 1-024AC/20-11	4.6 kW, 1 NC/1 NO	SELLOUT	1	1	09980403	067059
HS 1-024AC/20-20	4.6 kW, 2 NO		1	1	09980401	067035

24 A

HS 2-024AC/24-13	5.5 kW, 3 NC/1 NO	SELLOUT	2	1	09980425	067318
HS 2-024AC/24-40	5.5 kW, 4 NO		2	1	09980421	067271

25 A

HS 1-024AC/25-20	5.5 kW, 2 NO	SELLOUT	1	1	09980448	231078
HS 2-024AC/25-13	5.7 kW, 3 NC/1 NO	SELLOUT	2	1	09980411	067134
HS 2-024AC/25-22	5.7 kW, 2 NC/2 NO	SELLOUT	2	1	09980432	107342
HS 2-024AC/25-31	5.7 kW, 1 NC/3 NO		2	1	09980409	067110
HS 2-024AC/25-40	5.7 kW, 4 NO		2	1	09980407	067097

40 A

HS 3-024AC/40-04	9 kW, 4 NC	SELLOUT	3	1	09980436	247901
HS 3-024AC/40-22	9 kW, 2 NC/2 NO	SELLOUT	3	1	09980433	107359
HS 3-024AC/40-31	9 kW, 1 NC/3 NO	SELLOUT	3	1	09980415	067172
HS 3-024AC/40-40	9 kW, 4 NO		3	1	09980413	067158

63 A

HS 3-024AC/63-22	14.3 kW, 2 NC/2 NO	SELLOUT	3	1	09980434	107366
HS 3-024AC/63-40	14.3 kW, 4 NO		3	1	09980417	067196

rated frequency (fixed): 50 Hz/60 Hz

Accessories: spacers DHDS, auxiliary switches HSH, seal caps HSP
on Page: 115, 116

installation contactors, accessories (installation contactors)

mod. widths pack. units article No. EAN (4014712...)

installation contactors HS 230 V AC

for switching one and three-phase consumers, low-noise design

230 V AC

20 A

HS 1-230AC/20-02	4.6 kW, 2 NC	1	1	09980406	067080
HS 1-230AC/20-10	4.6 kW, 1 NO	1	1	09980442	158405
HS 1-230AC/20-11	4.6 kW, 1 NC/1 NO	1	1	09980404	067066
HS 1-230AC/20-20	4.6 kW, 2 NO	1	1	09980402	067042

24 A

HS 2-230AC/24-13	5.5 kW, 3 NC/1 NO	2	1	09980426	067325
HS 2-230AC/24-31	5.5 kW, 1 NC/3 NO	2	1	09980424	067301
HS 2-230AC/24-40	5.5 kW, 4 NO	2	1	09980422	067288

25 A

HS 1-230AC/25-20	5.5 kW, 2 NO	1	1	09980447	231061
HS 2-230AC/25-04	5.7 kW, 4 NC	2	1	09980427	075993
HS 2-230AC/25-13	5.7 kW, 3 NC/1 NO	2	1	09980412	067141
HS 2-230AC/25-22	5.7 kW, 2 NC/2 NO	2	1	09980431	107335
HS 2-230AC/25-30	5.7 kW, 3 NO	2	1	09980443	158412
HS 2-230AC/25-31	5.7 kW, 1 NC/3 NO	2	1	09980410	067127
HS 2-230AC/25-40	5.7 kW, 4 NO	2	1	09980408	067103

40 A

HS 2-230AC/40-20S	9 kW, 2 NO	2	1	09980445	216716
HS 3-230AC/40-02	9 kW, 2 NC	3	1	09980437	137073
HS 3-230AC/40-04	9 kW, 4 NC	3	1	09980435	118546
HS 3-230AC/40-20	9 kW, 2 NO	3	1	09980439	151468
HS 3-230AC/40-22	9 kW, 2 NC/2 NO	3	1	09980429	107113
HS 3-230AC/40-30	9 kW, 3 NO	3	1	09980440	152540
HS 3-230AC/40-31	9 kW, 1 NC/3 NO	3	1	09980416	067189
HS 3-230AC/40-40	9 kW, 4 NO	3	1	09980414	067165

63 A

HS 2-230AC/63-20S	14.3 kW, 2 NO	2	1	09980446	216723
HS 3-230AC/63-22	14.3 kW, 2 NC/2 NO	3	1	09980430	107120
HS 3-230AC/63-30	14.3 kW, 3 NO	3	1	09980438	148208
HS 3-230AC/63-31	14.3 kW, 1 NC/3 NO	3	1	09980420	247918
HS 3-230AC/63-40	14.3 kW, 4 NO	3	1	09980418	067202

rated frequency (fixed): 50 Hz/60 Hz

Accessories: spacers DHDS, auxiliary switches HSH, seal caps HSP
on Page: 115, 116

installation contactors HS 230 V AC/220 V DC

For switching one and three-phase consumers, non-humming design

230 V AC / 220 V DC

25 A

HS 2-230UC/25-22	5.7 kW, 2 NC/2 NO	2	1	09980450	236790
HS 2-230UC/25-31	5.7 kW, 1 NC/3 NO	2	1	09980452	236851
HS 2-230UC/25-40	5.7 kW, 4 NO	2	1	09980451	236820

rated frequency (fixed): DC, 50 Hz/60 Hz

Accessories: seal caps HSP, spacers DHDS
on Page: 116

Accessories

auxiliary switches HSH

Auxiliary switches report the status of the main devices to which they are fitted.

HS 11	1 NC/1 NO	0.5	1	09980497	067233
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The HSH 11 is only suitable for the low-noise contactors HS 2 and HS 3.

accessories (installation contactors), undervoltage measuring relay, load-shedding relays, mains field relays, twilight switches

mod. widths pack. units article No. EAN (4014712...)

Accessories

seal caps HSP

for HS installation contactors



HS P-20/25	for HS 2	2	1	09980498	067240
HS P-40/63	for HS 3	3	1	09980499	067257

Accessories

spacers DHDS

for relays and installation contactors



DHDS		0.5	1	09860401	250888
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undervoltage measuring relay RUR



Undervoltage monitoring for alternating voltage



RUR 1	fixed 195.5 V AC, 3-phase	1	1	09980717	151673
RUR 3	adjustable 160 V ... 240 V AC, 3-phase	1	1	09980718	151680

1 changeover contact, operating voltage 230/400 V AC, rated current 5 A, duty cycle 100%.

load-shedding relays RLR

for isolating long-term operated consumers when switching on short-term operated consumers



RLR 1	instantaneous, for conventional continuous-flow heaters	1	1	09980283	076686
RLR 2	delayed, for electronic continuous-flow heaters	1	1	09980284	076693

1 NC contact, rated current 1 A, response current 5 A

mains field relays FSE

for automatic load-dependent disconnection of the mains voltage as per environmentally compatible building recommendations



FSE 1		1	1	09700108	048126
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Switch-on threshold adjustable from 3-15 W, switch-off threshold 2-10 W, 1 NO contact

Accessories: base load modules FS
on Page: [118](#), [118](#)

twilight switches EDS 16

for light-dependent control, adjustable switch-off threshold, fixed hysteresis



EDS 16 mit LF 1	with LF 1 light sensor	2	1	09500110	047907
EDS 16 ohne LF 1	Single device without light sensor	2	1	09500121	048065

Adjustment range: 2 lux ... 1000 lux

Accessories: sensors LF
on Page: [118](#)

twilight switches, pressure switches

mod. widths pack. units article No. EAN (4014712...)

twilight switches Dasy



for daylight-linked lighting control (outdoor mounting)

10 A

Dasy 010-2 12 V AC/DC - we	white	1	09 500 040	160552
Dasy 010-2 230 V - an	anthracite	1	09 500 047	236660
Dasy 010-2 230 V - we	white	1	09 500 043	160125
Dasy 010-2 24 V AC/DC - we	white	1	09 500 041	160569

16 A

Dasy 016-2 230 V - an	anthracite	1	09 500 046	236646
Dasy 016-2 230 V - we	white	1	09 500 042	160118

switch-on threshold smoothly adjustable 1-200 Lux, 1 NO contact, protection class IP54, for wall and mast mounting

Accessories: mast brackets
on Page: 119

twilight switches Dasy TC



with programmable time switch for energy-saving night-time switch-off

16 A

Dasy 016-230 VTC - an	anthracite	1	09 500 048	236684
Dasy 016-230 VTC - we	white	1	09 500 044	223356

switch-on threshold smoothly adjustable 1-200 Lux, 1 NO contact, protection class IP54, for wall and mast mounting

Accessories: mast brackets
on Page: 119

pressure switches DSP



for automatically switching on/off electric motors on pumps

up to 10.5 bar

2-pole

DSP 10-2	4 bar ... 10.5 bar, 2 NC, 16 A	SELLOUT	1	09 921 061	208582
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3-pole

DSP 10-3	4 bar ... 10.5 bar, 3 NC, 25 A	SELLOUT	1	09 921 063	208629
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up to 6 bar

2-pole

DSP 06-2	1.5 bar ... 6 bar, 2 NC, 16 A	SELLOUT	1	09 921 060	208568
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3-pole

DSP 06-3	1.5 bar ... 6 bar, 3 NC, 25 A	SELLOUT	1	09 921 062	208605
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float switches, accessories (physical control devices)

mod. widths pack. units article No. EAN (4014712...)

float switches Champ

Float switches are used for fill-level-linked pump control.



Function "empty", NOC

with rubber cable, protective conductor

Champ 1 GS-L 03 m	empty, 1 NO, H07RN-F 3G1	1	09921001	061729
Champ 1 GS-L 05 m	empty, 1 NO, H07RN-F 3G1	1	09921004	063020
Champ 1 GS-L 10 m	empty, 1 NO, H07RN-F 3G1	1	09921007	063051

Function "fill", NOC

with rubber cable, protective conductor

Champ 1 GS-F 03 m	fill, 1 NO, H07RN-F 3G1	1	09921002	063006
Champ 1 GS-F 05 m	fill, 1 NO, H07RN-F 3G1	1	09921005	063037
Champ 1 GS-F 10 m	fill, 1 NO, H07RN-F 3G1	1	09921008	063068

Function "fill/empty", NOC

with rubber cable

Champ 2 G-L/F 03 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921003	063013
Champ 2 G-L/F 05 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921006	063044
Champ 2 G-L/F 10 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921009	063075
Champ 2 G-L/F 20 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921019	129993

with rubber cable, protective conductor

Champ 2 GS-L/F 03 m	fill/empty, 1 CO, H07RN-F 4G1	1	09921053	221444
Champ 2 GS-L/F 05 m	fill/empty, 1 CO, H07RN-F 4G1	1	09921056	221451
Champ 2 GS-L/F 10 m	fill/empty, 1 CO, H07RN-F 4G1	1	09921059	221468

switching capacity 10 A at 250 V AC max, housing colour blue (RAL 5010), IP 68

Accessories: counterweights GGW
on Page: 119

float switches Champ HD

Float switches are used for fill-level-linked pump control. These are suited for use in faeces tanks.



Function "fill/empty", NOC

with rubber cable

Champ 2 G-L/F HD 05 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921070	221475
Champ 2 G-L/F HD 10 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921071	221482
Champ 2 G-L/F HD 20 m	fill/empty, 1 CO, H07RN-F 3X1	1	09921072	221499

switching capacity 10 A at 250 V AC max, housing colour blue (RAL 5010), IP 68

Accessories: counterweights GGW
on Page: 119

Accessories

sensors EDS 16

Light sensor individual devices



LF 1	Light value detection for up to 10 EDS etc.	1	09500029	064553
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Accessories

base load modules FS-GZ

for the mains field relay FSE 1



FS-GZ	Signals the switching status of the mains field relay and allows a base load to be easily switched on at the socket	1	09700007	013476
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Accessories

base load modules FS-GE

for the mains field relay FSE 1



FS-GE	For installation in junction boxes and fluorescent lamp fittings. Required for loads that have high resistance when measuring voltage if 3 V AC, such as with fluorescent lamps and phase controls.	1	09700006	013469
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Accessories



mast brackets Dasy MH

for mounting on masts and pipes

Dasy MH		1	09500049	161153
consisting of 2 stainless steel brackets, 4 stainless steel screws, 1 stainless steel cable connector, for pipe diameters up to 150 mm				

Accessories



counterweights GGW

for fixing the cable and setting the switching point for Champ float switches

GGW	black, PP-coated	1	09921010	063082
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residual current analysis systems DRCA



DRCA-1-Set

		1	09352050	199491
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Set consists of: Measuring unit DRCA 1, residual current transformer DRCA 1 CT 70, measuring cable 3 m length DRCA 1 MC, analysis software DRCA 1 V2-SW in storage case

Accessories: transducers DRCA CT
on Page: 119

Accessories



transducers DRCA CT

Residual current detection unit, can be combined with a DRCA 1 measuring unit to a residual current analysis system.

DRCA 1 CT 070	70 mm	1	09352058	241213
DRCA 1 CT 105	105 mm	1	09352059	241220

indicator lights RL



Indicator lights with LED

RL 230-1GR	green	1	1	09981091	155046
RL 230-1RT	red	1	1	09981092	155053
RL 230-1W	white	1	1	09981090	155039
Operating voltage AC 50 - 240 V/DC 110 - 240 V					

installation sockets RDS



Installation sockets with a connected load of 250 V/16 A

RDS 6		2.5	1	09980028	040458
RDS 9	with hinged lid	2.5	1	09980698	131941
for distribution board installation					

SI System**sensors EDS 16***Light sensor individual devices*

LF1		1	09 500 029	064553
Light value detection for up to 10 EDS etc.				

**SI System****sensors SIWS/SIWR***robust, maintenance-free anemometer and evaluation unit*

SIWR	Evaluation unit for SIWS, adjustable, 24 V DC	2	1	09 500 208	077553
SIWS	wind sensor, Reed contact, 250 mA	1		09 500 206	077539

Accessories: sensors SIWS, mounting kits SIWH
 on Page: [120](#)

**SI System****sensors SIRW***Rain sensor with heated sensor element*

SIRW		1	09 500 207	077546
Operating voltage 24 V DC/max. 150 mA, 2 potential-free changeover contacts 230 V/max. 2 A				

Accessories: mounting kits SIWH
 on Page: [120](#)

**doorbell transformers RK***for converting the mains voltage 230 V into SELV*

RK 12	4/8/12 V; 2/2/1.5 A, cannot be switched off	2	1	09 980 033	040502
RK 12 S	4/8/12 V; 2/2/1.5 A, can be switched off at primary	2	1	09 980 034	040519
RK 24	8/12/24 V; 2/1.3/0.6 A, switchable	2	1	09 980 654	118720
RK 3 U	4/8/12 V; 3/2/2 A, cannot be switched off	3	1	09 980 085	044524
RK 81	8 V; 1 A, cannot be switched off	2	1	09 980 029	040465
RK 81 S	8 V; 1 A, can be switched off at primary	2	1	09 980 030	040472
Primary voltage 230 V AC/50 Hz, duty cycle 100%					

Accessories: mounting kits RK
 on Page: [120](#)

**Accessories****sensors SIWS***robust, maintenance-free anemometer and evaluation unit*

SIWS	wind sensor, Reed contact, 250 mA	1	09 500 206	077539
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**Accessories****mounting hits RK M***for on-wall mounting*

RK M36	for RK 81, RK 81 S, RK 12, RK 12 S, RK 24	1	09 980 652	107410
RK M54	for RK 3 U	1	09 980 653	107427

**Accessories****mounting hits SIWH***Wall bracket with telescopic arm for SIWS and SIRW*

SIWH		1	09 500 212	100558
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General Conditions for the supply of Products and Services of the Electrical and Electronics Industry („GL“)* for commercial transactions between businesses

recommended by ZVEI - Zentralverband Elektrotechnik- und Elektronikindustrie e. V.
– as of June 2011 –

* The original German text shall be the governing version.



ARTICLE I: GENERAL PROVISIONS

1. Legal relations between Supplier and Purchaser in connection with supplies and/or services of the Supplier (hereinafter referred to as „Supplies“) shall be solely governed by the present GL. The Purchaser's general terms and conditions shall apply only if expressly accepted by the Supplier in writing. The scope of delivery shall be determined by the congruent mutual written declarations.
2. The Supplier herewith reserves any industrial property rights and/or copyrights pertaining to its cost estimates, drawings and other documents (hereinafter referred to as „Documents“). The Documents shall not be made accessible to third parties without the Supplier's prior consent and shall, upon request, be returned without undue delay to the Supplier if the contract is not awarded to the Supplier. Sentences 1 and 2 shall apply mutatis mutandis to the Purchaser's Documents; these may, however, be made accessible to those third parties to whom the Supplier has rightfully subcontracted Supplies.
3. The Purchaser has the non-exclusive right to use standard software and firmware, provided that it remains unchanged, is used within the agreed performance parameters, and on the agreed equipment. Without express agreement the Purchaser may make one back-up copy of standard software.
4. Partial deliveries are allowed, unless they are unreasonable to accept for the Purchaser.
5. The term „claim for damages“ used in the present GL also includes claims for indemnification for useless expenditure.

ARTICLE II: PRICES, TERMS OF PAYMENT, AND SET-OFF

1. Prices are ex works and excluding packaging; value added tax shall be added at the then applicable rate.
2. If the Supplier is also responsible for assembly or erection and unless otherwise agreed, the Purchaser shall pay the agreed remuneration and any incidental costs required, e. g. for traveling and transport as well as allowances.
3. Payments shall be made free Supplier's paying office.
4. The Purchaser may set off only those claims which are undisputed or non-appealable.

ARTICLE III: RETENTION OF TITLE

1. The items pertaining to the Supplies („Retained Goods“) shall remain the Supplier's property until each and every claim the Supplier has against the Purchaser on account of the business relationship has been fulfilled. If the combined value of the Supplier's security interests exceeds the value of all secured claims by more than 20 %, the Supplier shall release a corresponding part of the security interest if so requested by the Purchaser; the Supplier shall be entitled to choose which security interest it wishes to release.
2. For the duration of the retention of title, the Purchaser may not pledge the Retained Goods or use them as security, and resale shall be possible only for resellers in the ordinary course of their business and only on condition that the reseller receives payment from its customer or makes the transfer of property to the customer dependent upon the customer fulfilling its obligation to effect payment.
3. Should Purchaser resell Retained Goods, it assigns to the Supplier, already today, all claims it will have against its customers out of the resale, including any collateral rights and all balance claims, as security, without any subsequent declarations to this effect being necessary. If the Retained Goods are sold on together with other items and no individual price has been agreed with respect to the Retained Goods, Purchaser shall assign to the Supplier such fraction of the total price claim as is attributable to the price of the Retained Goods invoiced by Supplier.
4. (a) Purchaser may process, amalgamate or combine Retained Goods with other items. Processing is made for Supplier. Purchaser shall store the new item thus created for Supplier, exercising the due care of a diligent businessperson. The new items are considered as Retained Goods.
(b) Already today, Supplier and Purchaser agree that if Retained Goods are combined or amalgamated with other items that are not the property of Supplier, Supplier shall acquire co-ownership in the new item in proportion of the value of the Retained Goods combined or amalgamated to the other items at the time of combination or amalgamation. In this respect, the new items are considered as Retained Goods.
(c) The provisions on the assignment of claims according to No. 3 above shall also apply to the new item. The assignment, however, shall only apply to the amount corresponding to the value invoiced by Supplier for the Retained Goods that have been processed, combined or amalgamated.
(d) Where Purchaser combines Retained Goods with real estate or movable goods, it shall, without any further declaration being necessary to this effect, also assign to

Supplier as security its claim to consideration for the combination, including all collateral rights for the prorata amount of the value the combined Retained Goods have on the other combined items at the time of the combination.

5. Until further notice, Purchaser may collect assigned claims relating to the resale. Supplier is entitled to withdraw Purchaser's permission to collect funds for good reason, including, but not limited to delayed payment, suspension of payments, start of insolvency proceedings, protest or justified indications for overindebtedness or pending insolvency of Purchaser. In addition, Supplier may, upon expiry of an adequate period of notice disclose the assignment, realize the claims assigned and demand that Purchaser informs its customer of the assignment.
6. The Purchaser shall inform the Supplier forthwith of any seizure or other act of intervention by third parties. If a reasonable interest can be proven, Purchaser shall, without undue delay, provide Supplier with the information and/or Documents necessary to assert the claims it has against its customers.
7. Where the Purchaser fails to fulfill its duties, fails to make payment due, or otherwise violates its obligations the Supplier shall be entitled to rescind the contract and take back the Retained Goods in the case of continued failure following expiry of a reasonable remedy period set by the Supplier; the statutory provisions providing that a remedy period is not needed shall be unaffected. The Purchaser shall be obliged to return the Retained Goods. The fact that the Supplier takes back Retained Goods and/or exercises the retention of title, or has the Retained Goods seized, shall not be construed to constitute a rescission of the contract, unless the Supplier so expressly declares.

ARTICLE IV: TIME FOR SUPPLIES; DELAY

1. Times set for Supplies shall only be binding if all Documents to be furnished by the Purchaser, necessary permits and approvals, especially concerning plans, are received in time and if agreed terms of payment and other obligations of the Purchaser are fulfilled. If these conditions are not fulfilled in time, times set shall be extended reasonably; this shall not apply if the Supplier is responsible for the delay.
(a) force majeure, such as mobilization, war, terror attacks, rebellion or similar events (e. g. strike or lockout);
(b) virus attacks or other attacks on the Supplier's IT systems occurring despite protective measures were in place that complied with the principles of proper care;
(c) hindrances attributable to German, US or otherwise applicable national, EU or international rules of foreign trade law or to other circumstances for which Supplier is not responsible; or
(d) the fact that Supplier does not receive its own supplies in due time or in due form such times shall be extended accordingly.
3. If the Supplier is responsible for the delay (hereinafter referred to as „Delay“) and the Purchaser has demonstrably suffered a loss therefrom, the Purchaser may claim a compensation as liquidated damages of 0.5 % for every completed week of Delay, but in no case more than a total of 5 % of the price of that part of the Supplies which due to the Delay could not be put to the intended use.
4. Purchaser's claims for damages due to delayed Supplies as well as claims for damages in lieu of performance exceeding the limits specified in No. 3 above are excluded in all cases of delayed Supplies, even upon expiry of a time set to the Supplier to effect the Supplies. This shall not apply in cases of liability based on intent, gross negligence, or due to loss of life, bodily injury or damage to health. Rescission of the contract by the Purchaser based on statute is limited to cases where the Supplier is responsible for the delay. The above provisions do not imply a change in the burden of proof to the detriment of the Purchaser.
5. At the Supplier's request, the Purchaser shall declare within a reasonable period of time whether it, due to the delayed Supplies, rescinds the contract or insists on the delivery of the Supplies.
6. If dispatch or delivery, due to Purchaser's request, is delayed by more than one month after notification of the readiness for dispatch was given, the Purchaser may be charged, for every additional month commenced, storage costs of 0.5 % of the price of the items of the Supplies, but in no case more than a total of 5 %. The parties to the contract may prove that higher or, as the case may be, lower storage costs have been incurred.

ARTICLE V: PASSING OF RISK

1. Even where delivery has been agreed freight free, the risk shall pass to the Purchaser as follows:
(a) if the delivery does not include assembly or erection, at the time when it is shipped or picked up by the carrier. Upon the Purchaser's request, the Supplier shall insure the

- delivery against the usual risks of transport at the Purchaser's expense;
- (b) if the delivery includes assembly or erection, at the day of taking over in the Purchaser's own works or, if so agreed, after a successful trial run.
2. The risk shall pass to the Purchaser if dispatch, delivery, the start or performance of assembly or erection, the taking over in the Purchaser's own works, or the trial run is delayed for reasons for which the Purchaser is responsible or if the Purchaser has otherwise failed to accept the Supplies.

ARTICLE VI: ASSEMBLY AND ERECTION

Unless otherwise agreed in written form, assembly and erection shall be subject to the following provisions:

1. Purchaser shall provide at its own expense and in due time:
 - (a) all earth and construction work and other ancillary work outside the Supplier's scope, including the necessary skilled and unskilled labor, construction materials and tools;
 - (b) the equipment and materials necessary for assembly and commissioning such as scaffolds, lifting equipment and other devices as well as fuels and lubricants;
 - (c) energy and water at the point of use including connections, heating and lighting;
 - (d) suitable dry and lockable rooms of sufficient size adjacent to the site for the storage of machine parts, apparatus, materials, tools, etc. and adequate working and recreation rooms for the erection personnel, including sanitary facilities as are appropriate in the specific circumstances; furthermore, the Purchaser shall take all measures it would take for the protection of its own possessions to protect the possessions of the Supplier and of the erection personnel at the site;
 - (e) protective clothing and protective devices needed due to particular conditions prevailing on the specific site.
2. Before the erection work starts, the Purchaser shall unsolicitedly make available any information required concerning the location of concealed electric power, gas and water lines or of similar installations as well as the necessary structural data.
3. Prior to assembly or erection, the materials and equipment necessary for the work to start must be available on the site of assembly or erection and any preparatory work must have advanced to such a degree that assembly or erection can be started as agreed and carried out without interruption. Access roads and the site of assembly or erection must be level and clear.
4. If assembly, erection or commissioning is delayed due to circumstances for which the Supplier is not responsible, the Purchaser shall bear the reasonable costs incurred for idle times and any additional traveling expenditure of the Supplier or the erection personnel.
5. The Purchaser shall attest to the hours worked by the erection personnel towards the Supplier at weekly intervals and the Purchaser shall immediately confirm in written form if assembly, erection or commissioning has been completed.
6. If, after completion, the Supplier demands acceptance of the Supplies, the Purchaser shall comply therewith within a period of two weeks. The same consequences as upon acceptance arise if and when the Purchaser lets the two week period expire or the Supplies are put to use after completion of agreed test phases, if any.

ARTICLE VII: RECEIVING SUPPLIES

The Purchaser shall not refuse to receive Supplies due to minor defects.

ARTICLE VIII: DEFECTS AS TO QUALITY

The Supplier shall be liable for defects as to quality („Sachmängel“, hereinafter referred to as „Defects“,) as follows:

1. Defective parts or defective services shall be, at the Supplier's discretion, repaired, replaced or provided again free of charge, provided that the reason for the Defect had already existed at the time when the risk passed.
2. Claims for repair or replacement are subject to a statute of limitations of 12 months calculated from the start of the statutory statute of limitations; the same shall apply mutatis mutandis in the case of rescission and reduction. This shall not apply where longer periods are prescribed by law according to Sec. 438 para. 1 No. 2 (buildings and things used for a building), Sec. 479 para. 1 (right of recourse), and Sec. 634a para. 1 No. 2 (defects of a building) German Civil Code („Bürgerliches Gesetzbuch“), in the case of intent, fraudulent concealment of the Defect or non-compliance with guaranteed characteristics („Beschaffenheitsgarantie“). The legal provisions regarding suspension of the statute of limitations („Ablaufhemmung“, „Hemmung“) and recommencement of limitation periods shall be unaffected.
3. Notifications of Defect by the Purchaser shall be given in written form without undue delay.
4. In the case of notification of a Defect, the Purchaser may withhold payments to an amount that is in a reasonable proportion to the Defect. The Purchaser, however, may withhold payments only if the subject-matter of the notification of the Defect involved is justified and incontestable. The Purchaser has no right to withhold payments to the extent that its claim of a Defect is time-barred. Unjustified notifications of Defect shall entitle the Supplier to demand reimbursement of its expenses by the Purchaser.
5. The Supplier shall be given the opportunity to repair or to replace the defective good („Nacherfüllung“) within a reasonable period of time.
6. If repair or replacement is unsuccessful, the Purchaser is entitled to rescind the contract or reduce the remuneration; any claims for damages the Purchaser may have according to No. 10 shall be unaffected.
7. There shall be no claims based on Defect in cases of insignificant deviations from the agreed quality, of only minor impairment of usability, of natural wear and tear, or damage arising after the passing of risk from faulty or negligent handling, excessive

strain, unsuitable equipment, defective civil works, inappropriate foundation soil, or claims based on particular external influences not assumed under the contract, or from non-reproducible software errors. Claims based on defects attributable to improper modifications or repair work carried out by the Purchaser or third parties and the consequences thereof are likewise excluded.

8. The Purchaser shall have no claim with respect to expenses incurred in the course of supplementary performance, including costs of travel, transport, labor, and material, to the extent that expenses are increased because the subjectmatter of the Supplies has subsequently been brought to another location than the Purchaser's branch office, unless doing so complies with the normal use of the Supplies.
9. The Purchaser's right of recourse against the Supplier pursuant to Sec. 478 BGB is limited to cases where the Purchaser has not concluded an agreement with its customers exceeding the scope of the statutory provisions governing claims based on Defects. Moreover, No. 8 above shall apply mutatis mutandis to the scope of the right of recourse the Purchaser has against the Supplier pursuant to Sec. 478 para. 2 BGB.
10. The Purchaser shall have no claim for damages based on Defects. This shall not apply to the extent that a Defect has been fraudulently concealed, the guaranteed characteristics are not complied with, in the case of loss of life, bodily injury or damage to health, and/or intentionally or grossly negligent breach of contract on the part of the Supplier. The above provisions do not imply a change in the burden of proof to the detriment of the Purchaser. Any other or additional claims of the Purchaser exceeding the claims provided for in this

ARTICLE VIII, BASED ON A DEFECT, ARE EXCLUDED.

ARTICLE IX: INDUSTRIAL PROPERTY RIGHTS AND COPYRIGHTS; DEFECTS IN TITLE

1. Unless otherwise agreed, the Supplier shall provide the Supplies free from third parties' industrial property rights and copyrights (hereinafter referred to as „IPR“) with respect to the country of the place of delivery only. If a third party asserts a justified claim against the Purchaser based on an infringement of an IPR by the Supplies made by the Supplier and used in conformity with the contract, the Supplier shall be liable to the Purchaser within the time period stipulated in

ARTICLE VIII NO. 2 AS FOLLOWS:

- (a) The Supplier shall choose whether to acquire, at its own expense, the right to use the IPR with respect to the Supplies concerned or whether to modify the Supplies such that they no longer infringe the IPR or replace them. If this would be impossible for the Supplier under reasonable conditions, the Purchaser may rescind the contract or reduce the remuneration pursuant to the applicable statutory provisions;
- (b) The Supplier's liability to pay damages is governed by Article XII;
- (c) The above obligations of the Supplier shall apply only if the Purchaser (i) immediately notifies the Supplier of any such claim asserted by the third party in written form, (ii) does not concede the existence of an infringement and (iii) leaves any protective measures and settlement negotiations to the Supplier's discretion. If the Purchaser stops using the Supplies in order to reduce the damage or for other good reason, it shall be obliged to point out to the third party that no acknowledgement of the alleged infringement may be inferred from the fact that the use has been discontinued.
2. Claims of the Purchaser shall be excluded if it is responsible for the infringement of an IPR.
3. Claims of the Purchaser are also excluded if the infringement of the IPR is caused by specifications made by the Purchaser, by a type of use not foreseeable by the Supplier or by the Supplies being modified by the Purchaser or being used together with products not provided by the Supplier.
4. In addition, with respect to claims by the Purchaser pursuant to No. 1 a) above, Article VIII Nos. 4, 5, and 9 shall apply mutatis mutandis in the event of an infringement of an IPR.
5. Where other defects in title occur, Article VIII shall apply mutatis mutandis.
6. Any other claims of the Purchaser against the Supplier or its agents or any such claims exceeding the claims provided for in this Article IX, based on a defect in title, are excluded.

ARTICLE X: CONDITIONAL PERFORMANCE

1. The performance of this contract is conditional upon that no hindrances attributable to German, US or otherwise applicable national, EU or international rules of foreign trade law or any embargos or other sanctions exist.
2. The Purchaser shall provide any information and Documents required for export, transport and import purposes.

ARTICLE XI: IMPOSSIBILITY OF PERFORMANCE; ADAPTATION OF CONTRACT

1. To the extent that delivery is impossible, the Purchaser is entitled to claim damages, unless the Supplier is not responsible for the impossibility. The Purchaser's claim for damages is, however, limited to an amount of 10 % of the value of the part of the Supplies which, owing to the impossibility, cannot be put to the intended use. This limitation shall not apply in the case of liability based on intent, gross negligence or loss of life, bodily injury or damage to health; this does not imply a change in the burden of proof to the detriment of the Purchaser. The Purchaser's right to rescind the contract shall be unaffected.
2. Where events within the meaning of Article IV No. 2 (a) to (c) substantially change the economic importance or the contents of the Supplies or considerably affect the Supplier's business, the contract shall be adapted taking into account the principles

of reasonableness and good faith. To the extent this is not justifiable for economic reasons, the Supplier shall have the right to rescind the contract. The same applies if required export permits are not granted or cannot be used. If the Supplier intends to exercise its right to rescind the contract, it shall notify the aPurchaser thereof without undue delay after having realized the repercussions of the event; this shall also apply even where an extension of the delivery period has previously been agreed with the Purchaser.

ARTICLE XII: OTHER CLAIMS FOR DAMAGES

1. Unless otherwise provided for in the present GL, the Purchaser has no claim for damages based on whatever legal reason, including infringement of duties arising in connection with the contract or tort.
2. This does not apply if liability is based on: (a) the German Product Liability Act ("Produkthaftungsgesetz");
(b) intent;
(c) gross negligence on the part of the owners, legal representatives or executives;
(d) fraud;
(e) failure to comply with a guarantee granted;
(f) negligent injury to life, limb or health; or

- (g) negligent breach of a fundamental condition of contract ("wesentliche Vertragspflichten").

However, claims for damages arising from a breach of a fundamental condition of contract shall be limited to the foreseeable damage which is intrinsic to the contract, provided that no other of the above case applies.

3. The above provision does not imply a change in the burden of proof to the detriment of the Purchaser.

ARTIKEL XIII: VENUE AND APPLICABLE LAW

1. If the Purchaser is a businessman, sole venue for all disputes arising directly or indirectly out of the contract shall be the Supplier's place of business. However, the Supplier may also bring an action at the Purchaser's place of business.
2. This contract and its interpretation shall be governed by German law, to the exclusion of the United Nations Convention on contracts for the International Sale of Goods (CISG).

ARTICLE XIV: SEVERABILITY CLAUSE

The legal invalidity of one or more provisions of this Agreement in no way affects the validity of the remaining provisions. This shall not apply if it would be unreasonably onerous for one of the parties to be obligated to continue the contract.

Software Clause

FOR THE PROVISION OF STANDARD SOFTWARE FORMING AN INTEGRAL PART OF SUPPLIES

Supplementing and amending the "General Conditions for the supply of Products and Services of the Electrical and Electronics Industry" (GL)*
– as of April 2012 –



* The original German text shall be the governing version.

1. Scope of application of the software clause

- (a) This Software Clause shall apply exclusively to the provision of standard software for a limited or unlimited period as a part of or in connection with the supply of related hardware (such software hereinafter referred to as "Software"), as well as to the entire Supplies, to the extent that a breach of contract or impairment of performance has its cause in the Software. Furthermore, hardware shall be solely subject to the conditions of the GL.
- (b) Firmware is not "Software" within the meaning of this Software Clause.
- (c) The GL shall apply to those matters as far as not specifically covered in this Software Clause.
- (d) The Supplier does not assume any obligation to perform software services by virtue of this Software Clause. Such services require a separate agreement.

2. Documentation

Article I No. 2 GL shall be supplemented as follows: The provision of documentation requires a separate agreement in writing. If documentation is to be provided, the term "Software" hereinafter shall also include the documentation.

3. Rights of use

Article I No. 3 GL shall be replaced as follows:

- (a) The Supplier grants the Purchaser the non-exclusive right of use to the Software. Provided that nothing to the contrary is agreed, the right of use applies in the country in which the hardware is supplied. The right of use is limited to the agreed period of time, in the absence of such agreement, the right of use shall be unlimited in time.
- (b) The following supplementary conditions shall apply where the right of use is subject to a time limit: The Purchaser may only use the software with the hardware specified in the contractual documentation (e.g. Software product certificate) or, in the absence of any such specification, with the relevant hardware supplied with the software. The use of the Software on any other device shall require the express prior written consent of the Supplier and shall, if used on a more powerful device, entitle the Supplier to claim an appropriate additional remuneration; this does not apply, however, to the extent and for the period in which the Purchaser uses a temporary substitute device within the agreed scope of use because of a defect in the agreed device.
- (c) Where the contract documents refer to more than one device, the Purchaser shall not install or use the Software provided on more than one of these devices simultaneously (Single License), to the extent that it has not been granted a Multiple License pursuant to No. 3 (j) below. Where more than one workplace exists for a specific device where the Software can be used independently, the Single License shall apply to only one workplace.
- (d) The Software shall exclusively be provided in machine readable format (object code).
- (e) The Purchaser shall be entitled to make only one copy of the Software, which may solely be used for back-up purposes (back-up copy). Any other duplication on the part of the Purchaser shall be allowed only subject to a Multiple License pursuant to No. 3 (j) below.
- (f) Save as provided for in Sec. 69 (e) (decompilation) of the German Copyright Act, the Purchaser shall not be entitled to modify, decompile, translate, or isolate parts of the Software. The Purchaser shall not remove alphanumeric or other identifiers from the data medium and shall transfer such identifiers unchanged to any backup copy.
- (g) The Supplier grants the Purchaser the right – which shall be revocable for good cause – to assign the right of use granted to it to a third party. However, the Purchaser to whom the Software has not been provided for commercial resale shall pass on the right of use to the Software to third parties only together with the device it has bought in combination with the Software from the Supplier. If the right of use is transferred to a third party, the Purchaser shall ensure that the right of use granted to the third party does not exceed the scope of rights to the Software granted to the Purchaser under this Agreement, and the Purchaser shall ensure that the third party shall be obliged to comply with at least the same obligations in relation to the Software as are imposed herein. When doing so, the Purchaser may not retain copies of the Software. The Purchaser shall not be entitled to grant sub-licenses. Where the Purchaser provides the Software to a third party, the Purchaser shall ensure that any existing export requirements are observed and shall release the Supplier from any obligations in this respect.
- (h) For software for which the Supplier only holds a derived right of use and which is

not Open Source Software (external software), in addition to and with priority over the conditions in this point 3, the conditions of use agreed between the Supplier and its licensor shall apply to the extent that they relate to the Purchaser (e.g. End User License Agreement); the Supplier shall inform the Purchaser of this and make the agreements available to the Purchaser on request.

- (i) For open source Software, the provisions of this No. 3 shall be superseded by the conditions of use underlying the open source Software. The Supplier shall only provide the Purchaser with the source code or make this available to the extent that this is required by the conditions of use for the open source Software. The Supplier shall make the Purchaser aware of the presence and the usage conditions of provided open source Software and make the conditions of use available to the Purchaser, or hand these over to the extent that this is required according to the conditions of use.
- (j) For the use of the Software on more than one device or simultaneously at more than one workplace, the Purchaser shall require a separate agreement on the right of use. The same shall apply if the Software is used in networks even if the Software is not copied for this purpose. With regard to the situations named above (hereinafter referred to as "Multiple License") the following provisions (aa) and (bb) shall apply in addition to and with priority over the provisions of this No. 3 (a) to (i):
 - (aa) A Multiple License requires that the Supplier expressly confirms in writing the number of admissible copies that the Purchaser may make of the Software provided and the number of devices and/or workplaces where the Software may be used. No. 3 (g) second sentence shall be applicable to Multiple Licenses provided that they may be transferred by the Purchaser to third parties only if transferred in their totality and together with all devices on which the use of the Software is allowed.
 - (bb) The Purchaser shall observe the duplication rules provided by the Supplier together with the Multiple License. The Purchaser shall keep records on the whereabouts of all copies made and submit them to the Supplier upon request.

4. Transfer of risk

Article V GL shall be supplemented as follows:

If the Software is provided via electronic communication media (e.g. via the internet) the risk shall transfer when the Software leaves the sphere of influence of the Supplier (e.g. when making a download).

5. Additional obligations to co-operate on the part of the Purchaser and liability

Article VI GL shall be supplemented as follows:

The Purchaser shall take all required and reasonable measures to prevent or limit damage attributable to the Software. In particular, the Purchaser shall make regular back-up copies of the programs and data. To the extent the Purchaser negligently breaches this obligation, the Supplier shall not be liable for any consequences arising therefrom; this shall apply in particular to the replacement of lost or damaged data or programs. The above provision does not imply a change in the burden of proof.

6. Defects as to quality ("the defects")

In the case of Software provided for an unlimited period of time, Article VIII GL shall be replaced by the following:

- (a) Claims based on Defects of the Software are subject to a statute of limitations of 12 months. This provision shall not apply where longer periods are prescribed by law according to Sec. 438 para. 1 No. 2 (buildings and items used for a building), Sec. 479 para. 1 (right of recourse), and Sec. 634 a para. 1 No. 2 (defects of a building) German Civil Code ("BGB"), as well as in cases of culpable loss of life, bodily injury or damage to health, or where the Supplier intentionally or as a result of gross negligence fails to fulfil its obligation or fraudulently conceals a Defect, and in the event of non-compliance with the guarantee of quality. The statute of limitations commences upon the transfer of risk to the Purchaser. The legal provisions regarding suspension of the statute of limitations ("Ablaufhemmung", "Hemmung") and recommencement of limitation periods remain unaffected.
- (b) Software is considered to be defective only if the Purchaser can prove that there are reproducible deviations from the specifications. A Defect shall not be deemed to exist if it does not manifest itself in the latest version supplied to the Purchaser, and the use thereof by Purchaser can reasonably be required.
- (c) Notification of Defects from the Purchaser shall be given in writing without undue delay. Defects and the relevant data processing environment shall be described as precisely as possible therein.

* the "Grüne Lieferbedingungen", ("Green general conditions") referred to as "GL" in these conditions |

(d) Claims based on Defects do not exist in the cases of any of the following

- insignificant deviations from the agreed characteristics,
- only minor impairment of usability,
- damage from faulty or negligent handling,
- damage from particular external influences not assumed under the contract,
- modifications or extensions made by the Purchaser or third parties, and any consequences resulting therefrom,
- incompatibility of the Software provided with the data processing environment of the Purchaser.

(e) In the case of defective Software, the Supplier shall be first given the opportunity to repair or replace the Software ("Nacherfüllung") within a reasonable period of time. The Supplier shall be entitled to choose between repair and replacement.

(f) Unless the Supplier chooses otherwise, the Supplier will correct the Defect in the Software as follows:

(aa) The Supplier will provide a replacement by way of an update or an upgrade of the Software if available to the Supplier or obtainable with reasonable efforts by the Supplier. If the Purchaser has been granted a Multiple License by the Supplier, it may make a corresponding number of copies of the update, or, as the case may be, upgrade.

(bb) Until an update, or, as the case may be, upgrade is provided, the Supplier will make available to the Purchaser an interim solution bypassing the Defect, provided that this does not result in unreasonable expenditures and that the Purchaser would otherwise, due to the Defect, be unable to complete work that cannot be delayed.

(cc) If a data medium or documentation supplied proves to be defective, the Purchaser's right shall be limited to demanding that the Supplier replace it with a non-defective version.

(dd) The Supplier shall have the right to choose whether it corrects the Defect at the location of the Purchaser or at its own location. If the Supplier chooses to correct the Defect at the Purchaser's location, the Purchaser shall assure that the required hardware and software as well as the required operating conditions (including the required computing time) and qualified operating personnel are available. The Purchaser shall submit to the Supplier the documents and information available to it and required for Defect correction.

(ee) The Purchaser shall enable remote maintenance access at the request of the Supplier.

(g) If the Defect cannot be corrected, the Purchaser shall be entitled to rescind the contract or reduce the remuneration, irrespective of any claims for damages it may have according to Article XII GL.

(h) Upon notification of a Defect, the Purchaser may withhold payments to a reasonable extent taking into account the Defect involved. The Purchaser, however, may withhold payments only if the subject-matter of the notification is justified beyond doubt. Notification without cause shall entitle the Supplier to reimbursement of its expenses by the Purchaser.

(i) Claims for damages shall furthermore be subject to Article XII GL. Any other Defect claims or Defect claims beyond those regulated in this No. 6 by the Purchaser against the Supplier or its agents shall be excluded.

(2) In the case of Software provided for a limited period of time, Article VIII GL shall be replaced by the following:

(a) Software is considered to be defective only if the Purchaser can prove that there are reproducible deviations from the specifications. A Defect shall not be deemed to exist if it does not manifest itself in the latest version supplied to the Purchaser, and the use thereof by Purchaser can reasonably be required.

(b) Notification of Defects from the Purchaser shall be given in writing without undue delay. Defects and the relevant data processing environment shall be described as precisely as possible therein.

(c) Claims based on Defects do not exist in the cases of any of the following

- insignificant deviations from the agreed characteristics,
- only minor impairment of usability,
- damage from faulty or negligent handling,
- damage from particular external influences not assumed under the contract,
- modifications or extensions made by the Purchaser or third parties, and any consequences resulting therefrom,
- incompatibility of the Software provided with the data processing environment of the Purchaser.

(d) In the case of defective Software, the Supplier shall be first given the opportunity to repair or replace the Software ("Nacherfüllung") within a reasonable period of time. The Supplier shall be entitled to choose between repair and replacement.

(e) Unless the Supplier chooses otherwise, the Supplier will correct the Defect in the Software as follows:

(aa) The Supplier will provide a replacement by way of an update or an upgrade of the

Software if available to the Supplier or obtainable with reasonable efforts by the Supplier. If the Purchaser has been granted a Multiple License by the Supplier, it may make a corresponding number of copies of the update, or, as the case may be, upgrade.

(bb) Until an update, or, as the case may be, upgrade is provided, the Supplier will make available to the Purchaser an interim solution bypassing the Defect, provided that this does not result in unreasonable expenditures and that the Purchaser would otherwise, due to the Defect, be unable to complete work that cannot be delayed.

(cc) If a data medium or documentation supplied proves to be defective, the Purchaser's right shall be limited to demanding that the Supplier replace it with a non-defective version.

(dd) The Supplier shall have the right to choose whether it corrects the Defect at the location of the Purchaser or at its own location. If the Supplier chooses to correct the Defect at the Purchaser's location, the Purchaser shall assure that the required hardware and software as well as the required operating conditions (including the required computing time) and qualified operating personnel are available. The Purchaser shall submit to the Supplier the documents and information available to it and required for Defect correction.

(ee) The Purchaser shall enable remote maintenance access at the request of the Supplier.

(f) If the Defect cannot be corrected, the Purchaser shall be entitled to rescind the contract without notice or reduce the remuneration, irrespective of any claims for damages it may have according to Article XII GL.

(g) Claims for damages shall furthermore be subject to Article XII GL. Any other Defect claims or Defect claims beyond those regulated in this No. 6 by the Purchaser against the Supplier or its agents shall be excluded.

7. Industrial property rights and copyright; defects in title

Article IX GL shall be replaced as follows:

Unless otherwise agreed, the Supplier shall provide the Supplies free from third parties' industrial property rights and copyrights (hereinafter referred to as "IPR") with respect to the country of the place of delivery only. If a third party asserts a justified claim against the Purchaser based on an infringement of an IPR by the Supplies made by the Supplier and used in conformity with the contract, the Supplier shall be liable to the Purchaser – in the case of Software provided for an unlimited time period within the contractual limitation period stipulated for Defects; in the case of Software provided for a limited time period within the statutory limitation period – as follows:

(a) At its discretion and at its cost, the Supplier shall either obtain a right of use for the relevant Supplies, amend the Supplies so that they do not infringe the IPR, or replace the Supplies. If it is not possible for the Supplier to do this under reasonable conditions, the Purchaser shall be entitled to the statutory rights of withdrawal or to reduce the price.

(b) Other than this, the Supplier's obligation to provide compensation shall be based on article XII GL.

(c) The Supplier's obligations listed above shall only exist if the Purchaser informs the Supplier immediately and in writing about the claims made by the third party, does not acknowledge that there is an infringement and if all defence measures and settlement negotiations are reserved for the Supplier. If the Purchaser ceases the use of the Supplies for reasons relating to mitigating losses or other important reasons then it is obliged to inform the third party that the cessation of use does not involve an acknowledgement that an IPR has been infringed.

(2) Claims from the Purchaser are excluded if it is responsible for the infringement of an IPR.

(3) Claims from the Purchaser are also excluded if the infringement of the IPR is caused by special requirements from the Purchaser, by an application that could not have been anticipated by the Supplier or are caused by the Supplies being amended by the Purchaser or being used with products not supplied by the Supplier.

(4) In addition, with respect to claims by the Purchaser pursuant to Point 7 No. 1 (a) above, No. 6 para. 1 lit. (h) and (e) first sentence shall apply accordingly in the event of an infringement of an IPR.

(5) The provisions of No. 6 shall apply where other defects in title occur.

(6) Any other claims due to defects in title or claims due to defects in title beyond those regulated in this No. 7 by the Purchaser against the Supplier or its agents shall be excluded.

Index of article numbers

09100110	43	09116820	31	09125945	19	09134901	11	09137815	22
09100112	43	09116895	39	09125983	43	09134902	25	09137820	31
09100113	43	09116902	25	09125984	37	09134909	15	09137901	11
09100114	43	09116906	27	09125995	41	09134921	18	09137902	25
09100115	43	09116909	15	09125998	34	09134922	28	09137905	13
09100141	43	09116983	43	09126009	21	09134945	19	09137906	27
09100143	43	09116984	37	09126010	20	09134983	43	09137909	15
09100150	102	09116995	41	09126020	30	09134984	37	09137921	18
09100151	102	09116998	34	09126595	40	09134995	41	09137922	28
09100152	102			09126596	38	09134998	34	09137938	29
		09117020	30	09126598	33			09137945	19
09112601	10	09117601	10	09126601	10	09135020	30	09137961	18
09112602	24	09117602	24	09126602	24	09135595	40	09137962	29
09112621	17	09117609	14	09126609	14	09135596	38	09137963	18
09112901	11	09117621	17	09126621	17	09135598	33	09137964	29
09112902	25	09117820	31	09126809	21	09135601	10	09137966	29
09112921	18	09117906	27	09126810	20	09135602	24	09137982	36
09112945	19	09117909	15	09126820	31	09135605	12	09137984	37
		09117984	37	09126895	39	09135606	26	09137998	34
09114009	21	09117998	34	09126901	11	09135609	14	09137999	35
09114010	20			09126902	25	09135621	17		
09114020	30	09122601	10	09126906	27	09135820	31	09138905	13
09114595	40	09122602	24	09126909	15	09135895	39		
09114596	38	09122621	17	09126921	18	09135901	11	09144009	21
09114598	33	09122901	11	09126945	19	09135902	25	09144010	20
09114601	10	09122902	25	09126983	43	09135905	13	09144020	30
09114602	24	09122921	18	09126984	37	09135906	27	09144595	40
09114609	14	09122945	19	09126995	41	09135909	15	09144596	38
09114621	17			09126998	34	09135921	18	09144598	33
09114638	28	09124009	21			09135945	19	09144601	10
09114809	21	09124010	20	09127020	30	09135983	43	09144602	24
09114810	20	09124018	15	09127601	10	09135984	37	09144609	14
09114820	31	09124020	30	09127602	24	09135995	41	09144621	17
09114841	22	09124595	40	09127609	14	09135998	34	09144809	21
09114861	38	09124596	38	09127621	17			09144810	20
09114889	40	09124598	33	09127820	31	09136009	21	09144814	31
09114892	35	09124601	10	09127901	11	09136010	20	09144814HD	32
09114895	39	09124602	24	09127902	25	09136015	21	09144818	16
09114901	11	09124609	14	09127906	27	09136020	30	09144820	31
09114902	25	09124621	17	09127909	15	09136595	40	09144841	22
09114909	15	09124638	28	09127921	18	09136596	38	09144846	32
09114921	18	09124809	21	09127945	19	09136598	33	09144850	16
09114922	28	09124810	20	09127984	37	09136601	10	09144850HD	16
09114945	19	09124814	31	09127998	34	09136602	24	09144861	38
09114983	43	09124814HD	32			09136605	12	09144889	40
09114984	37	09124820	31	09132601	10	09136606	26	09144892	35
09114995	41	09124841	22	09132602	24	09136609	14	09144895	39
09114998	34	09124861	38	09132621	17	09136621	17	09144901	11
		09124889	40			09136632	24	09144902	25
09115020	30	09124892	35	09134009	21	09136809	21	09144909	15
09115595	40	09124895	39	09134010	20	09136810	20	09144921	18
09115596	38	09124901	11	09134018	15	09136815	22	09144922	28
09115598	33	09124902	25	09134020	30	09136820	31	09144945	19
09115601	10	09124909	15	09134046	32	09136895	39	09144983	43
09115602	24	09124921	18	09134595	40	09136901	11	09144984	37
09115609	14	09124922	28	09134596	38	09136902	25	09144995	41
09115621	17	09124938	29	09134598	33	09136905	13	09144998	34
09115820	31	09124945	19	09134601	10	09136906	27		
09115895	39	09124983	43	09134602	24	09136909	15	09145020	30
09115902	25	09124984	37	09134609	14	09136921	18	09145595	40
09115906	27	09124995	41	09134621	17	09136922	28	09145596	38
09115909	15	09124998	34	09134622	28	09136945	19	09145598	33
09115983	43			09134632	24	09136979	42	09145601	10
09115984	37	09125020	30	09134638	28	09136982	36	09145602	24
09115995	41	09125595	40	09134803HD	16	09136983	43	09145605	12
09115998	34	09125596	38	09134809	21	09136984	37	09145606	26
		09125598	33	09134810	20	09136995	41	09145609	14
09116009	21	09125601	10	09134814	31	09136998	34	09145621	17
09116010	20	09125602	24	09134814HD	32	09136999	35	09145820	31
09116020	30	09125609	14	09134818	16			09145895	39
09116595	40	09125621	17	09134820	31	09137015	21	09145901	11
09116596	38	09125820	31	09134841	22	09137020	30	09145902	25
09116598	33	09125895	39	09134850	16	09137601	10	09145905	13
09116601	10	09125901	11	09134850HD	16	09137602	24	09145906	27
09116602	24	09125902	25	09134861	38	09137605	12	09145909	15
09116606	26	09125906	27	09134889	40	09137606	26	09145921	18
09116609	14	09125909	15	09134892	35	09137609	14	09145945	19
09116621	17	09125921	18	09134895	39	09137621	17	09145983	43

Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page
09145984	37	09154814HD	32	09157609	14	09166820	31	09175695	41
09145995	41	09154818	16	09157621	17	09166895	39	09175698	33
09145995HD	42	09154820	31	09157820	31	09166901	11	09175820	31
09145998	34	09154861	38	09157901	11	09166902	25	09175895	39
		09154892	35	09157902	25	09166905	13	09175901	11
09146009	21	09154895	39	09157905	13	09166906	27	09175902	25
09146010	20	09154901	11	09157906	27	09166909	15	09175905	13
09146015	21	09154902	25	09157909	15	09166916	27	09175906	27
09146020	30	09154909	15	09157921	18	09166921	18	09175909	15
09146595	40	09154921	18	09157944	27	09166922	28	09175916	27
09146596	38	09154922	28	09157945	19	09166945	19	09175921	18
09146598	33	09154945	19	09157982	36	09166979	42	09175945	19
09146601	10	09154983	43	09157984	37	09166982	36	09175983	43
09146602	24	09154984	37	09157998	34	09166983	43	09175984	37
09146605	12	09154995	41	09157999	35	09166984	37	09175995	41
09146606	26	09154998	34			09166995	41	09175998	34
09146609	14			09158905	13	09166998	34		
09146621	17	09155020	30	09158906	27	09166999	35	09176020	30
09146809	21	09155595	40					09176095	39
09146810	20	09155596	38	09164020	30	09167020	30	09176601	10
09146815	22	09155598	33	09164095	39	09167601	10	09176602	24
09146820	31	09155601	10	09164601	10	09167602	24	09176605	12
09146895	39	09155602	24	09164602	24	09167605	12	09176606	26
09146901	11	09155605	12	09164609	14	09167606	26	09176609	14
09146902	25	09155606	26	09164621	17	09167609	14	09176621	17
09146905	13	09155609	14	09164622	28	09167621	17	09176695	41
09146906	27	09155621	17	09164695	41	09167698	33	09176698	33
09146909	15	09155820	31	09164698	33	09167820	31	09176820	31
09146916	27	09155895	39	09164781	57	09167901	11	09176895	39
09146921	18	09155901	11	09164783	58	09167902	25	09176901	11
09146922	28	09155902	25	09164784	57	09167905	13	09176902	25
09146945	19	09155905	13	09164820	31	09167906	27	09176905	13
09146979	42	09155906	27	09164861	38	09167909	15	09176906	27
09146982	36	09155909	15	09164895	39	09167921	18	09176909	15
09146983	43	09155916	27	09164901	11	09167945	19	09176921	18
09146984	37	09155921	18	09164902	25	09167982	36	09176945	19
09146995	41	09155945	19	09164909	15	09167984	37	09176979	42
09146998	34	09155983	43	09164921	18	09167998	34	09176982	36
09146999	35	09155984	37	09164922	28	09167999	35	09176983	43
		09155995	41	09164945	19			09176984	37
09147015	21	09155998	34	09164983	43	09168905	13	09176995	41
09147020	30			09164984	37	09168906	27	09176998	34
09147601	10	09156009	21	09164995	41			09176999	35
09147602	24	09156010	20	09164998	34	09169781	57		
09147605	12	09156015	21			09169783	58	09177020	30
09147606	26	09156020	30	09165020	30	09169784	57	09177601	10
09147609	14	09156595	40	09165095	39			09177602	24
09147621	17	09156596	38	09165601	10	09174020	30	09177605	12
09147815	22	09156598	33	09165602	24	09174095	39	09177606	26
09147820	31	09156601	10	09165605	12	09174601	10	09177609	14
09147901	11	09156602	24	09165606	26	09174602	24	09177621	17
09147902	25	09156605	12	09165609	14	09174609	14	09177698	33
09147905	13	09156606	26	09165621	17	09174621	17	09177820	31
09147906	27	09156609	14	09165695	41	09174695	41	09177901	11
09147909	15	09156621	17	09165698	33	09174698	33	09177902	25
09147921	18	09156820	31	09165820	31	09174781	57	09177905	13
09147922	28	09156892	35	09165895	39	09174783	58	09177906	27
09147944	27	09156895	39	09165901	11	09174784	57	09177909	15
09147945	19	09156901	11	09165902	25	09174820	31	09177921	18
09147961	18	09156902	25	09165905	13	09174861	38	09177945	19
09147962	29	09156905	13	09165906	27	09174895	39	09177982	36
09147966	29	09156906	27	09165909	15	09174901	11	09177984	37
09147982	36	09156909	15	09165916	27	09174902	25	09177998	34
09147984	37	09156921	18	09165921	18	09174909	15	09177999	35
09147998	34	09156944	27	09165945	19	09174921	18		
09147999	35	09156945	19	09165983	43	09174922	28	09178905	13
		09156979	42	09165984	37	09174945	19	09178906	27
09148905	13	09156982	36	09165995	41	09174983	43		
		09156983	43	09165998	34	09174984	37	09179781	57
		09156984	37			09174995	41	09179783	58
09154009	21	09156995	41	09166020	30	09174998	34	09179784	57
09154010	20	09156998	34	09166095	39				
09154020	30	09156999	35	09166601	10	09175020	30	09184774	58
09154595	40			09166602	24	09175095	39	09184781	57
09154596	38	09157015	21	09166605	12	09175601	10	09184783	58
09154598	33	09157020	30	09166606	26	09175602	24	09184784	57
09154601	10	09157601	10	09166609	14	09175605	12	09189781	57
09154602	24	09157602	24	09166621	17	09175606	26	09189783	58
09154609	14	09157605	12	09166695	41	09175609	14	09189784	57
09154621	17	09157606	26	09166698	33	09175621	17		

Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page
09200011	44	09321343	45	09800035	113	09823220	97	09832227	99
09200012	44	09321435	45	09800037	114	09823221	97	09832228	99
09200021	44					09823222	97	09832229	99
09200028	58	09322435	45	09821105	94	09823223	97		
09200030	56	09322436	45	09821107	94	09823224	97	09841005	89
09200031	56	09322446	45	09821113	94	09823227	97	09841007	89
09200032	56			09821115	94	09823228	97	09841013	89
09200040	44	09323538	45	09821117	94	09823229	97	09841015	89
09200080	100	09323547	45	09821119	94			09841017	89
09200081	100			09821120	94	09824105	95	09841019	89
09200082	100	09324636	45	09821121	94	09824107	95	09841020	89
09200083	100			09821122	94	09824113	95	09841021	89
09200090	101	09325739	45	09821123	94	09824115	95	09841022	89
09200091	101			09821124	94	09824117	95	09841023	89
09200092	101	09340250	59	09821127	94	09824119	95	09841024	89
09200093	101	09340320	46	09821128	94	09824120	95	09841027	89
09200100	100	09340321	46	09821129	94	09824121	95	09841028	89
09200101	100	09340322	46	09821205	96	09824122	95	09841029	89
09200102	100	09340323	46	09821207	96	09824123	95	09841105	91
09200103	100	09340350	46	09821213	96	09824124	95	09841107	91
09200110	101			09821215	96	09824127	95	09841113	91
09200111	101	09342100	44	09821217	96	09824128	95	09841115	91
09200112	101	09342621	59	09821219	96	09824129	95	09841117	91
09200113	101	09342631	59	09821220	96	09824205	97	09841119	91
		09342641	59	09821221	96	09824207	97	09841120	91
09204774	58	09342651	59	09821222	96	09824213	97	09841121	91
09204781	57			09821223	96	09824215	97	09841122	91
09204783	58	09344622	59	09821224	96	09824217	97	09841123	91
09204784	57	09344632	59	09821227	96	09824219	97	09841124	91
		09344642	59	09821228	96	09824220	97	09841127	91
09209774	58	09344937	59	09821229	96	09824221	97	09841128	91
09209781	57	09344947	59			09824222	97	09841129	91
09209783	58			09822105	94	09824223	97	09841205	92
09209784	57	09352050	119	09822107	94	09824224	97	09841213	92
		09352058	119	09822113	94	09824227	97	09841215	92
09214781	57	09352059	119	09822117	94	09824228	97	09841217	92
09214783	58			09822119	94	09824229	97	09841219	92
09214784	57	09421501	22	09822120	94			09841220	92
		09421502	22	09822121	94	09831113	98	09841221	92
09219774	58	09421503	22	09822122	94	09831115	98	09841222	92
09219781	57	09421504	23	09822123	94	09831117	98	09841223	92
09219783	58			09822124	94	09831119	98	09841224	92
09219784	57	09431502	22	09822127	94	09831121	98	09841227	92
		09431504	23	09822128	94	09831122	98	09841228	92
				09822129	94	09831123	98	09841229	92
09300008	46	09432502	22	09822205	96	09831124	98		
09300014	46	09432504	23	09822207	96	09831127	98	09842005	89
09300049	45			09822213	96	09831128	98	09842007	89
09300081	45	09441502	22	09822215	96	09831129	98	09842013	89
09300082	45	09441504	23	09822217	96	09831213	98	09842015	89
09310133	45			09822219	96	09831215	98	09842017	89
		09442502	22	09822220	96	09831217	98	09842019	89
09311232	45	09442504	23	09822221	96	09831219	98	09842020	89
				09822222	96	09831221	98	09842021	89
09312133	45	09500029	118	09822223	96	09831222	98	09842022	89
		09500040	117	09822224	96	09831223	98	09842023	89
09313211	44	09500041	117	09822227	96	09831224	98	09842024	89
09313232	45	09500042	117	09822228	96	09831227	98	09842027	89
		09500043	117	09822229	96	09831228	98	09842028	89
09314133	45	09500044	117			09831229	98	09842029	89
		09500046	117	09823105	95			09842105	91
09315133	45	09500047	117	09823107	95	09832113	98	09842107	91
09315211	44	09500048	117	09823113	95	09832115	98	09842113	91
09315232	45	09500049	119	09823115	95	09832117	98	09842115	91
		09500110	116	09823117	95	09832119	98	09842117	91
09316232	45	09500121	116	09823119	95	09832121	98	09842119	91
		09500153	110	09823120	95	09832122	98	09842120	91
09317133	45	09500206	120	09823121	95	09832123	98	09842121	91
09317211	44	09500207	120	09823122	95	09832124	98	09842122	91
09317232	45	09500208	120	09823123	95	09832127	98	09842123	91
		09500212	120	09823124	95	09832128	98	09842124	91
09318133	45			09823127	95	09832129	98	09842127	91
09318232	45	09700006	118	09823128	95	09832213	99	09842128	91
		09700007	118	09823129	95	09832215	99	09842129	91
09319333	45	09700108	116	09823205	97	09832217	99	09842205	93
09320333	45			09823207	97	09832219	99	09842207	93
09320334	44	09800031	114	09823213	97	09832221	99	09842213	93
		09800032	114	09823215	97	09832222	99	09842215	93
09321333	45	09800033	113	09823217	97	09832223	99	09842217	93
09321334	44	09800034	113	09823219	97	09832224	99	09842219	93

Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page
09842220	93	09900006	107	09914259	62	09915832	55	09916115	67
09842221	93	09900007	107	09914261	62	09915833	55	09916116	67
09842222	93	09900008	107	09914262	62	09915834	55	09916117	67
09842223	93	09900009	108	09914263	62	09915835	55	09916118	67
09842224	93	09900012	108	09914264	62	09915836	55	09916119	67
09842227	93			09914265	62	09915837	55	09916131	67
09842228	93	09912013	63	09914266	62	09915838	55	09916132	67
09842229	93	09912073	63	09914289	62	09915839	55	09916133	67
		09912077	63	09914291	62			09916134	67
09843005	90	09912079	63	09914292	62	09916011	65	09916135	67
09843007	90	09912081	63	09914293	62	09916012	65	09916136	67
09843013	90	09912083	63	09914294	62	09916013	65	09916137	67
09843015	90	09912084	63	09914295	62	09916014	65	09916138	67
09843017	90	09912085	63	09914319	63	09916015	65	09916139	67
09843019	90	09912086	63	09914321	63	09916016	65	09916140	67
09843020	90	09912193	64	09914322	63	09916017	65	09916141	67
09843021	90	09912253	64	09914323	63	09916018	65	09916142	67
09843022	90	09912257	64	09914324	63	09916019	65	09916143	67
09843023	90	09912259	64	09914325	63	09916020	65	09916144	67
09843024	90	09912261	64	09914326	63	09916021	65	09916145	67
09843027	90	09912263	64	09914353	63	09916022	65	09916146	67
09843028	90	09912264	64	09914354	63	09916023	65	09916147	67
09843029	90	09912265	64	09914355	63	09916024	65	09916148	67
09843105	92	09912266	64	09914356	63	09916025	65	09916149	67
09843107	92					09916026	65	09916161	68
09843113	92	09913993	44	09915021	100	09916027	65	09916162	68
09843115	92	09913997	100	09915022	100	09916028	65	09916163	68
09843117	92			09915023	100	09916029	65	09916164	68
09843119	92	09914019	60	09915024	100	09916041	66	09916165	68
09843120	92	09914021	60	09915025	100	09916042	66	09916166	68
09843121	92	09914022	60	09915026	100	09916043	66	09916167	68
09843122	92	09914023	60	09915027	100	09916044	66	09916168	68
09843123	92	09914024	60	09915028	100	09916045	66	09916169	68
09843124	92	09914025	60	09915029	100	09916046	66	09916170	68
09843127	92	09914026	60	09915030	100	09916047	66	09916171	68
09843128	92	09914049	60	09915031	100	09916048	66	09916172	68
09843129	92	09914051	60	09915032	100	09916049	66	09916173	68
09843205	93	09914052	60	09915033	100	09916050	66	09916174	68
09843207	93	09914053	60	09915034	100	09916051	66	09916175	68
09843213	93	09914054	60	09915035	100	09916052	66	09916176	68
09843215	93	09914055	60	09915036	100	09916053	66	09916177	68
09843217	93	09914056	60	09915037	100	09916054	66	09916178	68
09843219	93	09914079	60	09915038	100	09916055	66	09916179	68
09843220	93	09914081	60	09915070	99	09916056	66	09916188	69
09843221	93	09914082	60	09915071	99	09916057	66	09916189	69
09843222	93	09914083	60	09915072	99	09916058	66	09916190	69
09843223	93	09914084	60	09915073	99	09916059	66	09916191	69
09843224	93	09914085	60	09915074	99	09916071	66	09916192	69
09843227	93	09914086	60	09915075	99	09916072	66	09916193	69
09843228	93	09914109	61	09915076	99	09916073	66	09916194	69
09843229	93	09914111	61	09915077	99	09916074	66	09916195	69
		09914112	61	09915078	99	09916075	66	09916196	69
09844005	90	09914113	61	09915079	99	09916076	66	09916197	69
09844007	90	09914114	61	09915080	99	09916077	66	09916198	69
09844013	90	09914115	61	09915081	99	09916078	66	09916199	69
09844015	90	09914116	61	09915082	99	09916079	66	09916200	69
09844017	90	09914139	61	09915083	99	09916080	66	09916201	69
09844019	90	09914141	61	09915084	99	09916081	66	09916202	69
09844020	90	09914142	61	09915085	99	09916082	66	09916203	69
09844021	90	09914143	61	09915086	100	09916083	66	09916204	69
09844022	90	09914144	61	09915087	101	09916084	66	09916205	69
09844023	90	09914145	61	09915811	55	09916085	66	09916206	69
09844024	90	09914146	61	09915812	55	09916086	66	09916207	69
09844027	90	09914171	61	09915813	55	09916087	66	09916208	69
09844028	90	09914173	61	09915814	55	09916088	66	09916209	69
09844029	90	09914174	61	09915815	55	09916089	66	09916218	70
		09914199	61	09915816	55	09916101	67	09916219	70
09851207	92	09914201	61	09915817	55	09916102	67	09916220	70
		09914202	61	09915818	55	09916103	67	09916221	70
09860100	88	09914203	61	09915819	55	09916104	67	09916222	70
09860101	88	09914204	61	09915821	55	09916105	67	09916223	70
09860102	88	09914205	61	09915822	55	09916106	67	09916224	70
		09914206	61	09915823	55	09916107	67	09916225	70
09860401	101	09914229	62	09915824	55	09916108	67	09916226	70
		09914231	62	09915825	55	09916109	67	09916227	70
09900001	107	09914232	62	09915826	55	09916110	67	09916228	70
09900002	107	09914233	62	09915827	55	09916111	67	09916229	70
09900003	107	09914234	62	09915828	55	09916112	67	09916230	70
09900004	107	09914235	62	09915829	55	09916113	67	09916231	70
09900005	107	09914236	62	09915831	55	09916114	67	09916232	70

130 / 131

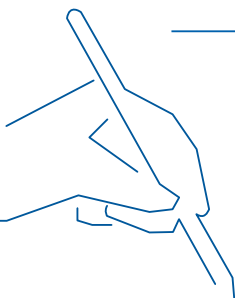
Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page
09916821	88	09920151	56	09932117	47	09948125	50	09948321	54
09916822	88	09920152	104	09932121	47	09948126	50	09948322	54
09916823	88	09920153	56	09932122	47	09948127	50	09948323	54
09916824	88	09920154	104	09932123	47	09948131	50	09948324	54
09916825	88	09920155	56	09932124	47	09948132	50	09948325	54
09916826	88	09920156	104	09932125	47	09948133	50	09948326	54
09916827	88	09920157	56	09932126	47	09948134	50	09948327	54
09916828	88	09920158	103	09932127	47	09948135	50	09948331	54
09916829	88	09920159	104	09932134	47	09948136	50	09948332	54
09916830	88	09920160	105	09932135	47	09948137	50	09948333	54
09916831	88	09920164	103	09932136	47	09948151	50	09948334	54
09916832	88	09920165	103	09932137	47	09948152	50	09948335	54
09916833	88	09920166	103	09932144	47	09948153	50	09948336	54
09916834	88	09920171	103	09932154	47	09948154	50	09948337	54
09916835	88	09920172	103	09932304	48	09948155	50	09948351	54
09916836	88	09920173	103	09932306	48	09948156	50	09948352	54
		09920174	103	09932308	48	09948157	50	09948353	54
09917019	64	09920175	103	09932324	48	09948171	50	09948354	54
09917021	64	09920176	103	09932326	48	09948172	50	09948355	54
09917022	64	09920177	103	09932328	48	09948173	50	09948356	54
09917023	64	09920178	103	09932404	47	09948174	50	09948357	54
09917024	64	09920179	103	09932406	47	09948175	50	09948371	54
09917109	64	09920182	56	09932407	47	09948176	50	09948372	54
09917111	64	09920183	103	09932408	47	09948177	50	09948373	54
09917112	64	09920184	103	09932424	47	09948201	52	09948374	54
09917113	64	09920185	103	09932426	47	09948202	52	09948375	54
09917114	64	09920186	105	09932427	47	09948203	52	09948376	54
09917199	65	09920187	103	09932428	47	09948204	52	09948377	54
09917201	65	09920190	103			09948205	52		
09917202	65	09920286	104	09945101	48	09948206	52	09949101	49
09917203	65	09920287	104	09945102	48	09948207	52	09949102	49
09917204	65	09920300	104	09945103	48	09948211	52	09949103	49
09917289	65	09920301	104	09945104	48	09948212	52	09949104	49
09917291	65	09920302	103	09945105	48	09948213	52	09949105	49
09917292	65	09920303	103	09945106	48	09948214	52	09949106	49
09917293	65	09920304	104	09945107	48	09948215	52	09949107	49
09917294	65	09920310	104	09945108	48	09948216	52	09949111	49
09917983	100	09920311	104	09945111	48	09948217	52	09949112	49
09917984	100	09920312	104	09945112	48	09948221	52	09949113	49
09917985	100	09920313	104	09945113	48	09948222	52	09949114	49
09917986	100	09920314	104	09945114	48	09948223	52	09949115	49
09917987	100	09920315	104	09945115	48	09948224	52	09949116	49
09917988	100	09920325	103	09945116	48	09948225	52	09949117	49
09917989	100			09945117	48	09948226	52	09949121	49
09917990	101	09921001	118	09945118	48	09948227	52	09949122	49
09917991	101	09921002	118	09945121	48	09948231	52	09949123	49
09917992	101	09921003	118	09945122	48	09948232	52	09949124	49
09917993	101	09921004	118	09945123	48	09948233	52	09949125	49
09917994	101	09921005	118	09945124	48	09948234	52	09949126	49
09917995	101	09921006	118	09945125	48	09948235	52	09949127	49
		09921007	118	09945126	48	09948236	52	09949131	49
09920087	105	09921008	118	09945127	48	09948237	52	09949132	49
09920093	106	09921009	118	09945128	48	09948251	52	09949133	49
09920094	106	09921010	119	09945131	48	09948252	52	09949134	49
09920095	106	09921019	118	09945132	48	09948253	52	09949135	49
09920096	106	09921053	118	09945133	48	09948254	52	09949136	49
09920097	106	09921056	118	09945134	48	09948255	52	09949137	49
09920098	106	09921059	118	09945135	48	09948256	52	09949141	49
09920099	105	09921060	117	09945136	48	09948257	52	09949142	49
09920102	106	09921061	117	09945137	48	09948271	52	09949143	49
09920103	106	09921062	117	09945138	48	09948272	52	09949144	49
09920104	105	09921063	117			09948273	52	09949145	49
09920110	103	09921070	118	09948101	50	09948274	52	09949146	49
09920111	103	09921071	118	09948102	50	09948275	52	09949147	49
09920112	103	09921072	118	09948103	50	09948276	52	09949161	49
09920114	103			09948104	50	09948277	52	09949162	49
09920115	56	09931300	44	09948105	50	09948301	54	09949163	49
09920118	103	09931301	44	09948106	50	09948302	54	09949164	49
09920119	103	09931302	44	09948107	50	09948303	54	09949165	49
09920122	103			09948111	50	09948304	54	09949166	49
09920123	56	09932101	47	09948112	50	09948305	54	09949167	49
09920125	103	09932102	47	09948113	50	09948306	54	09949201	51
09920126	103	09932103	47	09948114	50	09948307	54	09949202	51
09920127	104	09932104	47	09948115	50	09948311	54	09949203	51
09920128	104	09932105	47	09948116	50	09948312	54	09949204	51
09920130	105	09932106	47	09948117	50	09948313	54	09949205	51
09920131	105	09932107	47	09948121	50	09948314	54	09949206	51
09920132	105	09932114	47	09948122	50	09948315	54	09949207	51
09920133	105	09932115	47	09948123	50	09948316	54	09949211	51
09920150	104	09932116	47	09948124	50	09948317	54	09949212	51

Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page	Article No.	Page
09949213	51	09949361	53	09980124	111	09980429	115	09981015	113
09949214	51	09949362	53	09980125	111	09980430	115	09981016	113
09949215	51	09949363	53	09980126	111	09980431	115	09981017	113
09949216	51	09949364	53	09980127	111	09980432	114	09981030	109
09949217	51	09949365	53	09980128	111	09980433	114	09981031	109
09949221	51	09949366	53	09980129	111	09980434	114	09981032	109
09949222	51	09949367	53	09980130	112	09980435	115	09981033	109
09949223	51			09980131	112	09980436	114	09981034	109
09949224	51	09950011	56	09980132	112	09980437	115	09981035	109
09949225	51			09980133	112	09980438	115	09981036	109
09949226	51	09957300	56	09980134	112	09980439	115	09981037	109
09949227	51	09957301	56	09980135	112	09980440	115	09981038	109
09949231	51	09957302	56	09980136	112	09980442	115	09981039	109
09949232	51	09957303	56	09980137	112	09980443	115	09981040	109
09949233	51	09957304	56	09980138	112	09980445	115	09981041	109
09949234	51	09957305	56	09980139	112	09980446	115	09981042	109
09949235	51	09957306	56	09980140	110	09980447	115	09981043	109
09949236	51	09957307	56	09980141	105	09980448	114	09981044	109
09949237	51	09957320	56	09980142	105	09980450	115	09981045	109
09949241	51	09957321	56	09980143	105	09980451	115	09981046	109
09949242	51	09957322	56	09980145	105	09980452	115	09981047	109
09949243	51	09957323	56	09980169	106	09980497	115	09981050	110
09949244	51	09957324	56	09980283	116	09980498	116	09981051	110
09949245	51	09957325	56	09980284	116	09980499	116	09981052	108
09949246	51	09957326	56	09980380	106	09980640	111	09981053	108
09949247	51	09957327	56	09980381	106	09980641	111	09981054	108
09949261	51			09980382	106	09980652	120	09981055	108
09949262	51	09980028	119	09980383	106	09980653	120	09981056	108
09949263	51	09980029	120	09980384	106	09980654	102	09981057	108
09949264	51	09980030	120	09980385	106	09980671	107	09981058	108
09949265	51	09980033	120	09980386	106	09980672	107	09981059	108
09949266	51	09980034	120	09980387	106	09980673	107	09981060	108
09949267	51	09980085	120	09980388	106	09980674	110	09981061	108
09949301	53	09980086	106	09980389	106	09980676	111	09981062	108
09949302	53	09980087	106	09980390	106	09980677	111	09981063	108
09949303	53	09980088	106	09980391	106	09980678	111	09981064	108
09949304	53	09980089	106	09980392	106	09980679	111	09981065	108
09949305	53	09980090	106	09980393	106	09980680	111	09981066	108
09949306	53	09980091	106	09980394	106	09980681	111	09981067	108
09949307	53	09980092	106	09980395	106	09980682	111	09981069	112
09949311	53	09980093	105	09980396	106	09980683	111	09981070	109
09949312	53	09980095	105	09980397	106	09980684	111	09981071	109
09949313	53	09980096	105	09980400	107	09980685	111	09981072	109
09949314	53	09980097	105	09980401	114	09980686	111	09981075	109
09949315	53	09980098	105	09980402	115	09980687	111	09981076	109
09949316	53	09980100	106	09980403	114	09980688	111	09981077	109
09949317	53	09980101	107	09980404	115	09980689	111	09981080	109
09949321	53	09980102	107	09980405	114	09980698	119	09981081	109
09949322	53	09980103	107	09980406	115	09980715	113	09981084	110
09949323	53	09980104	107	09980407	114	09980716	113	09981085	110
09949324	53	09980105	107	09980408	115	09980717	116	09981086	110
09949325	53	09980106	107	09980409	114	09980718	116	09981087	108
09949326	53	09980107	107	09980410	115	09980719	113	09981088	108
09949327	53	09980109	111	09980411	114	09980720	113	09981089	108
09949331	53	09980110	111	09980412	115	09981001	113	09981090	119
09949332	53	09980111	111	09980413	114	09981002	113	09981091	119
09949333	53	09980112	111	09980414	115	09981003	113	09981092	119
09949334	53	09980113	111	09980415	114	09981004	113	09981093	108
09949335	53	09980114	111	09980416	115	09981005	113	09981096	112
09949336	53	09980115	111	09980417	114	09981006	113	09981108	108
09949337	53	09980116	111	09980418	115	09981007	113	09981115	56
09949341	53	09980117	111	09980420	115	09981008	113	5900188B	101
09949342	53	09980118	111	09980421	114	09981009	113		
09949343	53	09980119	111	09980422	115	09981010	113		
09949344	53	09980120	111	09980424	115	09981011	113		
09949345	53	09980121	111	09980425	114	09981012	113		
09949346	53	09980122	111	09980426	115	09981013	113		
09949347	53	09980123	111	09980427	115	09981014	113		

Index of products

A		DFS 2 F	30	DMCCB 3	44	HSP-40/63	116	Tytan	106
AS 25-Gi	105	DFS 2 F Audio	32	DMCCB 4	45	K		U	
AS 25-SLi	105	DFS 4 A	11	DMCCB 5	45	KA-DFS2	44	Uno D	113
AS 25-Si	105	DFS 4 A EV	15	DMCCB 6	45	KA-DFS4	44	Uno QRD	113
B		DFS 4 A EV NA	16	DMCCB 7	45	KA-DLS/RH	100	Uno QRS	113
B G12TE	105	DFS 4 A EV NA HD	16	DMRCD 1 A	46	KA-RH	112	W	
B G60TE	105	DFS 4 A FT	18	DO2	105	L		WES	44
BG2	56	DFS 4 A KV	15	DPB 16 01-100	44	LF 1	118		
BG4	56	DFS 4 A KV Twin	21	DPB 32 01-010	44	N			
C		DFS 4 A NA	22	DPB 32 01-110	44	N 7 housing	58		
Champ 1	118	DFS 4 A S	13	DRCA 1 CT 070	119	P			
Champ 2 L/F	118	DFS 4 A S Twin	22	DRCA 1 CT 105	119	Plastic lock	112		
Champ 2 L/F HD	118	DFS 4 A Twin	20	DRCA 1 set	119	R			
Coron 2	107	DFS 4 A V	19	DRCBO 4 Hi 1	56	RCBO 1	55		
Coron 2 retaining springs	110	DFS 4 A W	18	DRCBO 3	47	RCBO 2	56		
Cylinder lock	112	DFS 4 AC	25	DRCBO 4	53	RDS 6	119		
D		DFS 4 AC FT	28	DRCBO 4 Hi 2	56	RDS 9	119		
DASA 12	101	DFS 4 AC Hz	29	DRCCB 5	22	RG 016	109		
DASA 230	101	DFS 4 AC S	27	DRCM 1A	59	RH 100	108		
DASA 24	101	DFS 4 AC S FT	27	DSE D0	111	RH 200	108		
DASA 48	101	DFS 4 AC W	29	DSE D02 EI	111	RH 300	108		
DASA 8	101	DFS 4 B ISO HD	32	DSE D02 MI	111	RH 400	108		
DASA 9	101	DFS 4 B NK	41	DSHT	45	RI 008	113		
DAX	45	DFS 4 B NK HD	42	DSP	117	RI 012	113		
DCT A-020	46	DFS 4 B NK S	42	DTSW Astro 1	114	RI 024	113		
DCT A-035	46	DFS 4 B NK V500	43	DUVT	46	RI 024 DC	113		
DCT A-070	46	DFS 4 B SK	34	Dasy 10	117	RI 230	113		
DCT A-105	46	DFS 4 B SK MI	35	Dasy 16	117	RK 12	120		
DCTR A 020/0,30-I	59	DFS 4 B SK NA	38	Dasy MH	119	RK 12 S	120		
DCTR B NK 020/0,30-I	59	DFS 4 B SK S	35	Dasy TC	117	RK 24	102		
DCTR B NK 035/0,30-I	59	DFS 4 B SK S V	36	Data Micro +	114	RK 3 U	120		
DCTR B NK 070/0,30-I	59	DFS 4 B SK V	37	Data Micro 2+	114	RK 81	120		
DCTR B-X Hz 035-PoE	59	DFS 4 B+	39	DPRCD-M	44	RK 81 S	120		
DCTR B-X Hz 070-PoE	59	DFS 4 B+ MI	40	E		RK M36	120		
DCTR A 035/0,30-I	59	DFS 4 F	31	EDS 16	116	RK M54	120		
DCTR A 070/0,30-I	59	DFS 4 F Audio	32	EK-1	106	RL 230-1GR	119		
DCTR A 105/0,30-I	59	DFS 4 F EV	31	EK-2	106	RL 230-1RT	119		
DEASS	100	DFS 4 F EV HD	32	EK-3	106	RL 230-1W	119		
DFA 2	43	DFS 6 A EV OCP	16	EK-4	106	RLR 1	116		
DFA 2 - 1	43	DFS information stickers	44	ELS 3	100	RLR 2	116		
DFA 2 - 2	43	DHDS	101	ES/35 G/S	105	RS 008	109		
DFA 2 - 3	43	DHi 11	44	EV-S BS	105	RS 012	109		
DFA 2-4	43	DHi 12	56	EV-S G	103	RS 024	109		
DFA 2-RC	102	DHi 3	100	EV-S G ANL	104	RS 230	109		
DFL 8 A	57	DHi 4	100	EV-S G ANR	104	RS-KB	112		
DFL 8 A X	57	DHi 5	100	F		RSS/RT 016	110		
DFL 8 B NK	58	DHi 6	100	FAM 1	56	RSS/RT 016 L	110		
DFL 8 B NK X	58	DHi 7	100	FS-GE	118	RSZ 024	110		
DFL 8 B SK	58	DHi 8	100	FS-GZ	118	RSZ 230	110		
DFL 8 B SK X	57	DHi 9	100	FSE 1	116	RTZ 2	113		
DFL 8 B SK X V	58	DHi-S10	101	G		RTZ F	113		
DFS 2 A	10	DHi-S11	101	G.1.56.16/90°iso	104	RUR 1	116		
DFS 2 A FT	17	DLS 6 label sheets	101	G.1.56.80/12/90°iso	104	RUR 3	116		
DFS 2 A KV	14	DLS 6h	60	G.2.56.130/16	104	RVS 3.125.120	104		
DFS 2 A KV Twin	21	DLS 6hdc	63	GGW	119	RVS 3.150.120	104		
DFS 2 A S	12	DLS 6hsl	64	GM.2.56.100/10	104	RZM 128	113		
DFS 2 A S Twin	21	DLS 6i	65	GM.3.54.100/10/N	104	RZQ 248	113		
DFS 2 A Twin	20	DLS 8	89	GM.3.54.130/16/N	104	S			
DFS 2 AC	24	DLS 9 DL	98	GM.3.57.100/10	104	SIR 16 L	110		
DFS 2 AC FT	28	DLS 9 UL	94	GM.3.57.130/16	104	SIRW	120		
DFS 2 AC Hz	28	DMCB 2	99	GM.4.56.100/10	104	SIWH	120		
DFS 2 AC S	26	DMCB 2 Hi 1	100	GM.4.56.130/16	104	SIWR	120		
DFS 2 B NK	40	DMCB 2 ASA 1	101	H		SIWS	120		
DFS 2 B SK	33	DMCCB 1	45	HSH 11	115	T			
DFS 2 B+	38	DMCCB 2	44	HSP-25	116	Twin terminal, 3p, 3x2x35	110		

Notes





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