Doepke

Product Information 1/2023

—— 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

Doepke

Product Information 1/2023

Contents

Doepke

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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 ciruit-breaker (RCCB). Wherever threephase 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, medicaltechnical 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 condions 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

START

Basic circuits for electronic operating equipment in accordance with DIN VDE 0100 530 Annex A?
– AC full bridge circuit
– AC star circuit
– Full bridge circuit between external conductors
– Single-phase detection with smoothing

Systems with multiphase supplied frequency converters:

Examples:
– Pumping, air conditioning and ventilation systems
– Escalators and elevator systems
– Medical devices
– Solar power plants
– Welding plants

Increased availability required?

Examples:
– High storm frequency
– Unstable grid
– Grid malfunctions
– Equipment with pulsing interference currents

Installations with single-phase supplied frequency converters?

Examples:
– Washing machines
– Pumps
– Hammer drills

Will the circuit-breaker be used as a charging device for electric vehicles in road transport?

Does the vehicle manufacturer or the client request AC-DC sensitive residual current circuit-breakers?

Could residual currents with mixed frequencies occur?

Examples:
– Charging points for Pedelec (Schuko socket)
– Charging points for other small electric vehicles

Will the breaker be used for a plant where fire is a potential hazard?

Examples:
– Agriculture
– Biogas systems
– Paint shops
– Carpentry workshops
– Fuel tank systems
– Warehouses

Will the electrical system be operated at an installation with a protective device which is unknown or unsuitable for the required residual current protection?

Examples:
– Connected to an unknown power socket
– Temporary connection to an existing classic installation

Is the aim to achieve reasonable protection against electrically ignited fires beyond compliance with standards?

Example:
– Residual or leakage currents > 20 kHz

Will the electrical system be operated at an installation with a protective device which is unknown or unsuitable for the required residual current protection?

Examples:
– Connected to an unknown power socket
– Temporary connection to an existing classic installation

A
DFS 2/4 A
sensitive type A residual current circuit-breaker for classic electrical installations

A KV
DFS 2/4 A KV
AC and pulsating current sensitive type A residual current circuit-breaker for classic electrical installations with increased availability due to the short-time delayed and lightning-resistant design

F
DFS 2/4 F
Mixed frequency-sensitive residual current circuit-breaker type F for modern electrical installations with increased availability due to the short-time delayed and lightning-resistant design

A EV
DFS 4 A EV
AC and pulsating current sensitive type A residual current circuit-breaker for electromobility and additional protection against DC residual currents from 6 mA even against functional impairments of upstream RCDs

F EV
DFS 4 F EV
Mixed frequency sensitive type F residual current circuit-breaker for electromobility with increased availability (lightning-resistant and short-time delayed) and additional protection against DC residual currents from 6 mA even against functional impairments of upstream RCDs

B SK
DFS 2/4 B SK
AC-DC sensitive type B residual current circuit-breaker for electrical installations with frequency converters, with the highest availability and a consistently defined tripping threshold even with high residual current frequencies of up to 150 kHz

B SK MI
DFS 4 B SK MI
AC-DC sensitive type B residual current circuit-breaker for mobile electrical installations with frequency converters, with the highest availability and a defined tripping threshold even with high residual current frequencies of up to 150 kHz, as well as additional protection against DC residual currents from 6 mA and against functional impairments of upstream RCDs

B+
DFS 2/4 B+
AC-DC sensitive type B residual current circuit-breaker for electrical installations with frequency converters in facilities at risk of fire; compliant with normative minimum protection (420 mA / up to 20 kHz)

B+ MI
DFS 4 B+ MI
AC-DC sensitive type B residual current circuit-breaker for mobile electrical installations with frequency converters in facilities at risk of fire; compliant with normative minimum protection as well as additional protection against DC residual currents from 6 mA and against functional impairments of upstream RCDs

B NK
DFS 2/4 B NK
AC-DC sensitive type B residual current circuit-breaker for electrical installations with frequency converters in facilities at risk of fire, with high availability and optimal protection beyond normative requirements (300 mA / up to 150 kHz)

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)

Type A

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

sensitive to pulsating and alternating currents type A

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,01-A	I∆n = 0.01 A	2	1/40	09112 601	069237
DFS 2 016-2/0,03-A	I∆n = 0.03 A	2	1/40	09114 601	069244
DFS 2 016-2/0,10-A	I∆n = 0.1 A	2	1/40	09115 601	069251
DFS 2 016-2/0,30-A	I∆n = 0.3 A	2	1/40	09116 601	069268
DFS 2 016-2/0,50-A	I∆n = 0.5 A	2	1/40	09117 601	069275
25 A					
DFS 2 025-2/0,01-A	I∆n = 0.01 A	2	1/40	09122 601	069282
DFS 2 025-2/0,03-A	I∆n = 0.03 A	2	1/40	09124 601	069299
DFS 2 025-2/0,10-A	I∆n = 0.1 A	2	1/40	09125 601	069305
DFS 2 025-2/0,30-A	I∆n = 0.3 A	2	1/40	09126 601	069312
DFS 2 025-2/0,50-A	I∆n = 0.5 A	2	1/40	09127 601	069329
40 A					
DFS 2 040-2/0,01-A	I∆n = 0.01 A	2	1/40	09132 601	069336
DFS 2 040-2/0,03-A	I∆n = 0.03 A	2	1/40	09134 601	069343
DFS 2 040-2/0,10-A	I∆n = 0.1 A	2	1/40	09135 601	069350
DFS 2 040-2/0,30-A	I∆n = 0.3 A	2	1/40	09136 601	069367
DFS 2 040-2/0,50-A	I∆n = 0.5 A	2	1/40	09137 601	069374
63 A					
DFS 2 063-2/0,03-A	I∆n = 0.03 A	2	1/40	09144 601	069381
DFS 2 063-2/0,10-A	I∆n = 0.1 A	2	1/40	09145 601	069398
DFS 2 063-2/0,30-A	I∆n = 0.3 A	2	1/40	09146 601	069404
DFS 2 063-2/0,50-A	I∆n = 0.5 A	2	1/40	09147 601	069411
80 A					
DFS 2 080-2/0,03-A	I∆n = 0.03 A	2	1/40	09154 601	069428
DFS 2 080-2/0,10-A	I∆n = 0.1 A	2	1/40	09155 601	069435
DFS 2 080-2/0,30-A	I∆n = 0.3 A	2	1/40	09156 601	069442
DFS 2 080-2/0,50-A	I∆n = 0.5 A	2	1/40	09157 601	069459
100 A					
DFS 2 100-2/0,03-A	I∆n = 0.03 A	2	1/40	09164 601	069466
DFS 2 100-2/0,10-A	I∆n = 0.1 A	2	1/40	09165 601	069473
DFS 2 100-2/0,30-A	I∆n = 0.3 A	2	1/40	09166 601	069480
DFS 2 100-2/0,50-A	I∆n = 0.5 A	2	1/40	09167 601	069497
125 A					
DFS 2 125-2/0,03-A	I∆n = 0.03 A	2	1/40	09174 601	086746
DFS 2 125-2/0,10-A	I∆n = 0.1 A	2	1/40	09175 601	086784
DFS 2 125-2/0,30-A	I∆n = 0.3 A	2	1/40	09176 601	086821
DFS 2 125-2/0,50-A	I∆n = 0.5 A	2	1/40	09177 601	086869

Devices from 30 mA with VDE approval mark. All devices also available in HD design (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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EAN refers to individual item | All illustrations are non-binding.

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,01-A	I∆n = 0.01 A	4	1/20	09112901	089921
DFS 4 016-4/0,03-A	I∆n = 0.03 A	4	1/20	09114901	089945
25 A					
DFS 4 025-4/0,01-A	I∆n = 0.01 A	4	1/20	09122901	089969
DFS 4 025-4/0,03-A	I∆n = 0.03 A	4	1/20	09124901	089983
DFS 4 025-4/0,10-A	I∆n = 0.1 A	4	1/20	09125901	090002
DFS 4 025-4/0,30-A	I∆n = 0.3 A	4	1/20	09126901	199415
DFS 4 025-4/0,50-A	I∆n = 0.5 A	4	1/20	09127901	090040
40 A					
DFS 4 040-4/0,03-A	I∆n = 0.03 A	4	1/20	09134901	090064
DFS 4 040-4/0,10-A	I∆n = 0.1 A	4	1/20	09135901	090101
DFS 4 040-4/0,30-A	I∆n = 0.3 A	4	1/20	09136901	091221
DFS 4 040-4/0,50-A	I∆n = 0.5 A	4	1/20	09137901	090125
63 A					
DFS 4 063-4/0,03-A	I∆n = 0.03 A	4	1/20	09144901	090149
DFS 4 063-4/0,10-A	I∆n = 0.1 A	4	1/20	09145901	090163
DFS 4 063-4/0,30-A	I∆n = 0.3 A	4	1/20	09146901	090187
DFS 4 063-4/0,50-A	I∆n = 0.5 A	4	1/20	09147901	090200
80 A					
DFS 4 080-4/0,03-A	I∆n = 0.03 A	4	1/20	09154901	091238
DFS 4 080-4/0,10-A	I∆n = 0.1 A	4	1/20	09155901	090262
DFS 4 080-4/0,30-A	I∆n = 0.3 A	4	1/20	09156901	090248
DFS 4 080-4/0,50-A	I∆n = 0.5 A	4	1/20	09157901	090286
100 A					
DFS 4 100-4/0,03-A	I∆n = 0.03 A	4	1/20	09164901	090309
DFS 4 100-4/0,10-A	I∆n = 0.1 A	4	1/20	09165901	090323
DFS 4 100-4/0,30-A	I∆n = 0.3 A	4	1/20	09166901	090347
DFS 4 100-4/0,50-A	I∆n = 0.5 A	4	1/20	09167901	090361
125 A					
DFS 4 125-4/0,03-A	I∆n = 0.03 A	4	1/20	09174901	090385
DFS 4 125-4/0,10-A	I∆n = 0.1 A	4	1/20	09175901	090408
DFS 4 125-4/0,30-A	I∆n = 0.3 A	4	1/20	09176901	090422
DFS 4 125-4/0,50-A	I∆n = 0.5 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 (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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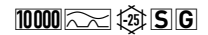
residual current circuit-breaker (RCCB)

Type A

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

sensitive to pulsating and alternating currents type A, selective

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 2 040-2/0,10-A S	I∆n = 0.1 A	2	1/40	09 135 605	131057
DFS 2 040-2/0,30-A S	I∆n = 0.3 A	2	1/40	09 136 605	131071
DFS 2 040-2/0,50-A S	I∆n = 0.5 A	2	1/40	09 137 605	131095
63 A					
DFS 2 063-2/0,10-A S	I∆n = 0.1 A	2	1/40	09 145 605	116306
DFS 2 063-2/0,30-A S	I∆n = 0.3 A	2	1/40	09 146 605	116269
DFS 2 063-2/0,50-A S	I∆n = 0.5 A	2	1/40	09 147 605	116283
80 A					
DFS 2 080-2/0,10-A S	I∆n = 0.1 A	2	1/40	09 155 605	131170
DFS 2 080-2/0,30-A S	I∆n = 0.3 A	2	1/40	09 156 605	131194
DFS 2 080-2/0,50-A S	I∆n = 0.5 A	2	1/40	09 157 605	131217
100 A					
DFS 2 100-2/0,10-A S	I∆n = 0.1 A	2	1/40	09 165 605	131231
DFS 2 100-2/0,30-A S	I∆n = 0.3 A	2	1/40	09 166 605	135048
DFS 2 100-2/0,50-A S	I∆n = 0.5 A	2	1/40	09 167 605	131279
125 A					
DFS 2 125-2/0,10-A S	I∆n = 0.1 A	2	1/40	09 175 605	131293
DFS 2 125-2/0,30-A S	I∆n = 0.3 A	2	1/40	09 176 605	132771
DFS 2 125-2/0,50-A S	I∆n = 0.5 A	2	1/40	09 177 605	131330

All devices also available in HD design (see info pages).

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4 040-4/0,10-A S	IΔn = 0.1 A	4	1/20	09135905	131651
DFS 4 040-4/0,30-A S	IΔn = 0.3 A	4	1/20	09136905	091184
DFS 4 040-4/0,50-A S	IΔn = 0.5 A	4	1/20	09137905	091207
DFS 4 040-4/1,00-A S	IΔn = 1 A	4	1/20	09138905	157675
63 A					
DFS 4 063-4/0,10-A S	IΔn = 0.1 A	4	1/20	09145905	131675
DFS 4 063-4/0,30-A S	IΔn = 0.3 A	4	1/20	09146905	091269
DFS 4 063-4/0,50-A S	IΔn = 0.5 A	4	1/20	09147905	091283
DFS 4 063-4/1,00-A S	IΔn = 1 A	4	1/20	09148905	157699
80 A					
DFS 4 080-4/0,10-A S	IΔn = 0.1 A	4	1/20	09155905	131699
DFS 4 080-4/0,30-A S	IΔn = 0.3 A	4	1/20	09156905	091344
DFS 4 080-4/0,50-A S	IΔn = 0.5 A	4	1/20	09157905	091368
DFS 4 080-4/1,00-A S	IΔn = 1 A	4	1/20	09158905	091009
100 A					
DFS 4 100-4/0,10-A S	IΔn = 0.1 A	4	1/20	09165905	131712
DFS 4 100-4/0,30-A S	IΔn = 0.3 A	4	1/20	09166905	091429
DFS 4 100-4/0,50-A S	IΔn = 0.5 A	4	1/20	09167905	091443
DFS 4 100-4/1,00-A S	IΔn = 1 A	4	1/20	09168905	091405
125 A					
DFS 4 125-4/0,10-A S	IΔn = 0.1 A	4	1/20	09175905	131736
DFS 4 125-4/0,30-A S	IΔn = 0.3 A	4	1/20	09176905	091504
DFS 4 125-4/0,50-A S	IΔn = 0.5 A	4	1/20	09177905	091528
DFS 4 125-4/1,00-A S	IΔn = 1 A	4	1/20	09178905	091467

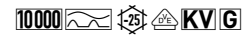All devices also available in HD design and with N right (see info pages).

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

residual current circuit-breaker (RCCB)

Type A

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

10000 ⌁ -25℃ ⌂ KV G

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

16 A

		mod. widths	pack. units	Article No.	EAN (4014712...)
DFS 2 016-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09114 609	109568
DFS 2 016-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09115 609	122659
DFS 2 016-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09116 609	109582
DFS 2 016-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09117 609	122673
25 A					
DFS 2 025-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09124 609	107670
DFS 2 025-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09125 609	118980
DFS 2 025-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09126 609	109612
DFS 2 025-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09127 609	122697
40 A					
DFS 2 040-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09134 609	109636
DFS 2 040-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09135 609	122710
DFS 2 040-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09136 609	109650
DFS 2 040-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09137 609	122734
63 A					
DFS 2 063-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09144 609	109674
DFS 2 063-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09145 609	122758
DFS 2 063-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09146 609	109698
DFS 2 063-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09147 609	122772
80 A					
DFS 2 080-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09154 609	109711
DFS 2 080-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09155 609	122796
DFS 2 080-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09156 609	109735
DFS 2 080-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09157 609	122819
100 A					
DFS 2 100-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09164 609	109759
DFS 2 100-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09165 609	122833
DFS 2 100-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09166 609	109773
DFS 2 100-2/0,50-A KV	IΔn = 0.5 A	2	1/40	09167 609	122857
125 A					
DFS 2 125-2/0,03-A KV	IΔn = 0.03 A	2	1/40	09174 609	109797
DFS 2 125-2/0,10-A KV	IΔn = 0.1 A	2	1/40	09175 609	122871
DFS 2 125-2/0,30-A KV	IΔn = 0.3 A	2	1/40	09176 609	109810
DFS 2 125-2/0,50-A KV	IΔn = 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 (see info pages).
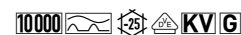
Accessories: *auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES*
on Page: **44**

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

Doepke

residual current circuit-breaker (RCCB)

Type A

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

10000 · [-25] · KV · G

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

16 A

		mod. widths	pack. units	Article No.	EAN (4014712...)
DFS 4 016-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09114909	100619
DFS 4 016-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09115909	122536
DFS 4 016-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09116909	122550
DFS 4 016-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09117909	122574
25 A					
DFS 4 025-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09124909	100657
DFS 4 025-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09125909	100671
DFS 4 025-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09126909	100695
DFS 4 025-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09127909	100718
40 A					
DFS 4 040-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09134909	100732
DFS 4 040-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09135909	100756
DFS 4 040-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09136909	100770
DFS 4 040-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09137909	100794
63 A					
DFS 4 063-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09144909	100817
DFS 4 063-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09145909	100831
DFS 4 063-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09146909	100855
DFS 4 063-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09147909	100879
80 A					
DFS 4 080-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09154909	100893
DFS 4 080-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09155909	100916
DFS 4 080-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09156909	100930
DFS 4 080-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09157909	100954
100 A					
DFS 4 100-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09164909	100978
DFS 4 100-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09165909	100992
DFS 4 100-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09166909	101012
DFS 4 100-4/0,50-A KV	IΔn = 0.5 A	4	1/20	09167909	101036
125 A					
DFS 4 125-4/0,03-A KV	IΔn = 0.03 A	4	1/20	09174909	101050
DFS 4 125-4/0,10-A KV	IΔn = 0.1 A	4	1/20	09175909	101074
DFS 4 125-4/0,30-A KV	IΔn = 0.3 A	4	1/20	09176909	101098
DFS 4 125-4/0,50-A KV	IΔn = 0.5 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 (see info pages).

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

Type A

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

10000 · f+ · [-25]

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
25 A					
DFS 4 025-2/0,03-A EV	IΔn = 0.03 A	4	1/20	09124018	215979
40 A					
DFS 4 040-2/0,03-A EV	IΔn = 0.03 A	4	1/20	09134018	220096

All devices also available in HD design (see info pages).

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

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

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4 040-4/0,03-A EV	I∆n = 0.03 A	4	1/20	09 134 818	215955
63 A					
DFS 4 063-4/0,03-A EV	I∆n = 0.03 A	4	1/20	09 144 818	220119
80 A					
DFS 4 080-4/0,03-A EV	I∆n = 0.03 A	4	1/20	09 154 818	240803

All devices also available in HD design and with N right (see info pages).

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

Type A

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

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4 040-4/0,03-A EV NA	I∆n = 0.03 A	4.5	1/6	09 134 850	270343
63 A					
DFS 4 063-4/0,03-A EV NA	I∆n = 0.03 A	4.5	1/6	09 144 850	270367

All devices also available in HD design and with N right (see info pages).

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

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4 040-4/0,03-A EV NA HD	I∆n = 0.03 A	4.5	1/6	09 134 850HD	278141
63 A					
DFS 4 063-4/0,03-A EV NA HD	I∆n = 0.03 A	4.5	1/6	09 144 850HD	278172

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

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
32 A						
DFS 6 032-4/0,03-A EV OCP HD	I∆n = 0.03 A	**NEW**	6	1	09 134 803HD	263468

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

residual current circuit-breaker (RCCB)

Type A

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

10000 ⌀ ⟨25⟩

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,01-A FT	IΔn = 0.01 A	2.5	1/20	09112 621	146037
DFS 2 016-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09114 621	146051
DFS 2 016-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09115 621	146075
DFS 2 016-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09116 621	146099
DFS 2 016-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09117 621	146112
25 A					
DFS 2 025-2/0,01-A FT	IΔn = 0.01 A	2.5	1/20	09122 621	121539
DFS 2 025-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09124 621	146136
DFS 2 025-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09125 621	146150
DFS 2 025-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09126 621	146174
DFS 2 025-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09127 621	146198
40 A					
DFS 2 040-2/0,01-A FT	IΔn = 0.01 A	2.5	1/20	09132 621	146211
DFS 2 040-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09134 621	121584
DFS 2 040-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09135 621	146235
DFS 2 040-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09136 621	146259
DFS 2 040-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09137 621	146273
63 A					
DFS 2 063-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09144 621	146297
DFS 2 063-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09145 621	146310
DFS 2 063-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09146 621	146334
DFS 2 063-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09147 621	146358
80 A					
DFS 2 080-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09154 621	146372
DFS 2 080-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09155 621	146396
DFS 2 080-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09156 621	146419
DFS 2 080-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09157 621	146433
100 A					
DFS 2 100-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09164 621	146457
DFS 2 100-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09165 621	146471
DFS 2 100-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09166 621	146495
DFS 2 100-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09167 621	146518
125 A					
DFS 2 125-2/0,03-A FT	IΔn = 0.03 A	2.5	1/20	09174 621	146532
DFS 2 125-2/0,10-A FT	IΔn = 0.1 A	2.5	1/20	09175 621	146556
DFS 2 125-2/0,30-A FT	IΔn = 0.3 A	2.5	1/20	09176 621	146570
DFS 2 125-2/0,50-A FT	IΔn = 0.5 A	2.5	1/20	09177 621	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.

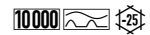All devices also available in HD design (see info pages).

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

10000 ∿ 25

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,01-A FT	IΔn = 0.01 A	4.5	1/10	09112921	146617
DFS 4 016-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09114921	146631
25 A					
DFS 4 025-4/0,01-A FT	IΔn = 0.01 A	4.5	1/10	09122921	146655
DFS 4 025-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09124921	134867
DFS 4 025-4/0,10-A FT	IΔn = 0.1 A	4.5	1/20	09125921	146679
DFS 4 025-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09126921	146693
DFS 4 025-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09127921	146716
40 A					
DFS 4 040-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09134921	121638
DFS 4 040-4/0,10-A FT	IΔn = 0.1 A	4.5	1/10	09135921	146730
DFS 4 040-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09136921	146754
DFS 4 040-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09137921	146778
63 A					
DFS 4 063-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09144921	118973
DFS 4 063-4/0,10-A FT	IΔn = 0.1 A	4.5	1/10	09145921	146808
DFS 4 063-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09146921	146822
DFS 4 063-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09147921	146846
80 A					
DFS 4 080-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09154921	106888
DFS 4 080-4/0,10-A FT	IΔn = 0.1 A	4.5	1/10	09155921	146877
DFS 4 080-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09156921	146891
DFS 4 080-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09157921	146914
100 A					
DFS 4 100-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09164921	146938
DFS 4 100-4/0,10-A FT	IΔn = 0.1 A	4.5	1/10	09165921	146952
DFS 4 100-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09166921	146976
DFS 4 100-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09167921	146990
125 A					
DFS 4 125-4/0,03-A FT	IΔn = 0.03 A	4.5	1/10	09174921	147010
DFS 4 125-4/0,10-A FT	IΔn = 0.1 A	4.5	1/10	09175921	147034
DFS 4 125-4/0,30-A FT	IΔn = 0.3 A	4.5	1/10	09176921	147058
DFS 4 125-4/0,50-A FT	IΔn = 0.5 A	4.5	1/10	09177921	147072

All devices also available in HD design and with N right (see info pages).

Accessories: terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
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Type A

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

10000 ∿ 25

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4W 040-2/0,50-A	IΔn = 0.5 A	4	1/20	09137961	135482
DFS 4W 040-3/0,50-A	IΔn = 0.5 A	4	1/20	09137963	135505
63 A					
DFS 4W 063-2/0,50-A	IΔn = 0.5 A	4	1/20	09147961	135543

All devices also available in HD design (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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EAN refers to individual item | All illustrations are non-binding.

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,01-A V500	IΔn = 0.01 A	4	1/20	09112945	147096
DFS 4 016-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09114945	147119
25 A					
DFS 4 025-4/0,01-A V500	IΔn = 0.01 A	4	1/20	09122945	147133
DFS 4 025-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09124945	143555
DFS 4 025-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09125945	147171
DFS 4 025-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09126945	145702
DFS 4 025-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09127945	145696
40 A					
DFS 4 040-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09134945	137912
DFS 4 040-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09135945	145795
DFS 4 040-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09136945	144835
DFS 4 040-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09137945	147232
63 A					
DFS 4 063-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09144945	136861
DFS 4 063-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09145945	144897
DFS 4 063-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09146945	138223
DFS 4 063-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09147945	147256
80 A					
DFS 4 080-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09154945	145429
DFS 4 080-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09155945	147270
DFS 4 080-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09156945	138193
DFS 4 080-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09157945	145931
100 A					
DFS 4 100-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09164945	155510
DFS 4 100-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09165945	155534
DFS 4 100-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09166945	155558
DFS 4 100-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09167945	155572
125 A					
DFS 4 125-4/0,03-A V500	IΔn = 0.03 A	4	1/20	09174945	154391
DFS 4 125-4/0,10-A V500	IΔn = 0.1 A	4	1/20	09175945	155596
DFS 4 125-4/0,30-A V500	IΔn = 0.3 A	4	1/20	09176945	155619
DFS 4 125-4/0,50-A V500	IΔn = 0.5 A	4	1/20	09177945	152427

All devices also available in HD design and with N right (see info pages). 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: **44**

residual current circuit-breaker (RCCB)

Type A

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

10000 〜 ⟨25⟩

sensitive to pulsating and alternating currents type A, Twin-version
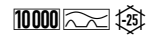
		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,03-A Twin	IΔn = 0.03 A	4	1/10	09 114 010	205710
DFS 2 016-2/0,30-A Twin	IΔn = 0.3 A	4	1/10	09 116 010	205734
25 A					
DFS 2 025-2/0,03-A Twin	IΔn = 0.03 A	4	1/10	09 124 010	205642
DFS 2 025-2/0,30-A Twin	IΔn = 0.3 A	4	1/10	09 126 010	205741
40 A					
DFS 2 040-2/0,03-A Twin	IΔn = 0.03 A	4	1/10	09 134 010	205659
DFS 2 040-2/0,30-A Twin	IΔn = 0.3 A	4	1/10	09 136 010	205758
63 A					
DFS 2 063-2/0,03-A Twin	IΔn = 0.03 A	4	1/10	09 144 010	205666
DFS 2 063-2/0,30-A Twin	IΔn = 0.3 A	4	1/10	09 146 010	205765
80 A					
DFS 2 080-2/0,03-A Twin	IΔn = 0.03 A	4	1/10	09 154 010	207431
DFS 2 080-2/0,30-A Twin	IΔn = 0.3 A	4	1/10	09 156 010	207479

For function check without disconnecting power.
All devices also available in HD design (see info pages).

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

10000 〜 ⟨25⟩

sensitive to pulsating and alternating currents type A, Twin-version
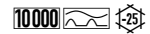
		mod. widths	Article No.	EAN (4014712...)
16 A				
DFS 4 016-4/0,03-A Twin	IΔn = 0.03 A	1	09 114 810	205819
25 A				
DFS 4 025-4/0,03-A Twin	IΔn = 0.03 A	1	09 124 810	205826
DFS 4 025-4/0,30-A Twin	IΔn = 0.3 A	1	09 126 810	205888
40 A				
DFS 4 040-4/0,03-A Twin	IΔn = 0.03 A	1	09 134 810	205833
DFS 4 040-4/0,30-A Twin	IΔn = 0.3 A	1	09 136 810	205895
63 A				
DFS 4 063-4/0,03-A Twin	IΔn = 0.03 A	1	09 144 810	208179
DFS 4 063-4/0,30-A Twin	IΔn = 0.3 A	1	09 146 810	208186

For function check without disconnecting power.
All devices also available in HD design (see info pages).

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

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

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
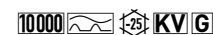
10000 ⌇ [-25] KV G

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 2 016-2/0,03-A KV Twin	IΔn = 0.03 A	4	1/10	09114009	206526
DFS 2 016-2/0,30-A KV Twin	IΔn = 0.3 A	4	1/10	09116009	206601
25 A					
DFS 2 025-2/0,03-A KV Twin	IΔn = 0.03 A	4	1/10	09124009	206540
DFS 2 025-2/0,30-A KV Twin	IΔn = 0.3 A	4	1/10	09126009	206618
40 A					
DFS 2 040-2/0,03-A KV Twin	IΔn = 0.03 A	4	1/10	09134009	206564
DFS 2 040-2/0,30-A KV Twin	IΔn = 0.3 A	4	1/10	09136009	206625
63 A					
DFS 2 063-2/0,03-A KV Twin	IΔn = 0.03 A	4	1/10	09144009	206588
DFS 2 063-2/0,30-A KV Twin	IΔn = 0.3 A	4	1/10	09146009	206632
80 A					
DFS 2 080-2/0,03-A KV Twin	IΔn = 0.03 A	4	1/10	09154009	208131
DFS 2 080-2/0,30-A KV Twin	IΔn = 0.3 A	4	1/10	09156009	208148

For function check without disconnecting power, non-response lag time 10 ms.
All devices also available in HD design (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, restart locks DFS WES
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Type A

residual current circuit-breaker DFS 4 A KV Twin, 4-pole
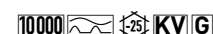
10000 ⌇ [-25] KV G

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,03-A KV Twin	IΔn = 0.03 A		1	09114809	206649
25 A					
DFS 4 025-4/0,03-A KV Twin	IΔn = 0.03 A		1	09124809	206656
DFS 4 025-4/0,30-A KV Twin	IΔn = 0.3 A		1	09126809	206687
40 A					
DFS 4 040-4/0,03-A KV Twin	IΔn = 0.03 A		1	09134809	206663
DFS 4 040-4/0,30-A KV Twin	IΔn = 0.3 A		1	09136809	206694
63 A					
DFS 4 063-4/0,03-A KV Twin	IΔn = 0.03 A		1	09144809	208193
DFS 4 063-4/0,30-A KV Twin	IΔn = 0.3 A		1	09146809	216709

For function check without disconnecting power, non-response lag time 10 ms.
All devices also available in HD design (see info pages).

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 ⌇ [-25] S G

sensitive to pulsating and alternating currents type A, selective

		mod. widths	pack. units	Article No.	EAN
40 A					
DFS 2 040-2/0,30-A S Twin	IΔn = 0.3 A	4	1	09136015	205956
DFS 2 040-2/0,50-A S Twin	IΔn = 0.5 A	4	1	09137015	205994
63 A					
DFS 2 063-2/0,30-A S Twin	IΔn = 0.3 A	4	1	09146015	205963
DFS 2 063-2/0,50-A S Twin	IΔn = 0.5 A	4	1	09147015	206007
80 A					
DFS 2 080-2/0,30-A S Twin	IΔn = 0.3 A	4	1	09156015	208155
DFS 2 080-2/0,50-A S Twin	IΔn = 0.5 A	4	1	09157015	208162

For function check without disconnecting power.
All devices also available in HD design (see info pages).

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 ⌇ [-25] **S** **G**

sensitive to pulsating and alternating currents type A, selective
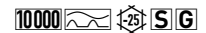
		mod. widths	pack. units	Article No.	EAN
40 A					
DFS 4 040-4/0,30-A S Twin	IΔn = 0.3 A		1	09 136 815	206038
DFS 4 040-4/0,50-A S Twin	IΔn = 0.5 A		1	09 137 815	206069
63 A					
DFS 4 063-4/0,30-A S Twin	IΔn = 0.3 A		1	09 146 815	208216
DFS 4 063-4/0,50-A S Twin	IΔn = 0.5 A		1	09 147 815	208223

For function check without disconnecting power.
All devices also available in HD design (see info pages).

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 ⌇ (f+) [-25]

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,03-A NA	IΔn = 0.03 A	4.5	1/16	09 114 841	225978
25 A					
DFS 4 025-4/0,03-A NA	IΔn = 0.03 A	4.5	1/16	09 124 841	225992
40 A					
DFS 4 040-4/0,03-A NA	IΔn = 0.03 A	4.5	1/16	09 134 841	226012
63 A					
DFS 4 063-4/0,03-A NA	IΔn = 0.03 A	4.5	1/16	09 144 841	226036

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 (see info pages).

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 ⌇ (f+) [-25] △ **KV**

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

		mod. widths	pack. units	Article No.	EAN
25 A					
DRCCB 5 ST 025-2/0,03-A	IΔn = 0.03 A	5	1	09 421 501	223233

automatic, regular self-test without any interruption to the power supply.

Type A — residual current circuit-breaker DRCCB 5 ST, 4-pole

10000 ⌇ (f+) [-25] △ **KV**

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

		mod. widths	pack. units	Article No.	EAN
25 A					
DRCCB 5 ST 025-4/0,03-A	IΔn = 0.03 A	7	1	09 421 502	223240
40 A					
DRCCB 5 ST 040-4/0,03-A	IΔn = 0.03 A	7	1	09 431 502	223257
DRCCB 5 ST 040-4/0,30-A	IΔn = 0.3 A	7	1	09 432 502	238312
63 A					
DRCCB 5 ST 063-4/0,03-A	IΔn = 0.03 A	7	1	09 441 502	223264
DRCCB 5 ST 063-4/0,30-A	IΔn = 0.3 A	7	1	09 442 502	238336

automatic, regular self-test without any interruption to the power supply.

Type A — residual current circuit-breaker DRCCB 5 STR, 2-pole

10000 ⌇ (f+) [-25] **KV**

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

		mod. widths	pack. units	Article No.	EAN
25 A					
DRCCB 5 STR 025-2/0,03-A	IΔn = 0.03 A	5	1	09 421 503	223271

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

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

Doepke

residual current circuit-breaker (RCCB)

Type A

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

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
25 A					
DRCCB 5 STR 025-4/0,03-A	I∆n = 0.03 A	7	1	09 421 504	223288
40 A					
DRCCB 5 STR 040-4/0,03-A	I∆n = 0.03 A	7	1	09 431 504	223295
DRCCB 5 STR 040-4/0,30-A	I∆n = 0.3 A	7	1	09 432 504	238367
63 A					
DRCCB 5 STR 063-4/0,03-A	I∆n = 0.03 A	7	1	09 441 504	223301
DRCCB 5 STR 063-4/0,30-A	I∆n = 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)

Type AC

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

sensitive to residual currents type AC

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,01-AC	IΔn = 0.01 A	2	1/40	09112602	068964
DFS 2 016-2/0,03-AC	IΔn = 0.03 A	2	1/40	09114602	068971
DFS 2 016-2/0,10-AC	IΔn = 0.1 A	2	1/40	09115602	068988
DFS 2 016-2/0,30-AC	IΔn = 0.3 A	2	1/40	09116602	068995
DFS 2 016-2/0,50-AC	IΔn = 0.5 A	2	1/40	09117602	069008
25 A					
DFS 2 025-2/0,01-AC	IΔn = 0.01 A	2	1/40	09122602	069015
DFS 2 025-2/0,03-AC	IΔn = 0.03 A	2	1/40	09124602	069022
DFS 2 025-2/0,10-AC	IΔn = 0.1 A	2	1/40	09125602	069039
DFS 2 025-2/0,30-AC	IΔn = 0.3 A	2	1/40	09126602	069046
DFS 2 025-2/0,50-AC	IΔn = 0.5 A	2	1/40	09127602	069053
32 A					
DFS 2 032-2/0,03-AC	IΔn = 0.03 A	2	1/40	09134632	107151
DFS 2 032-2/0,30-AC	IΔn = 0.3 A	2	1/40	09136632	218208
40 A					
DFS 2 040-2/0,01-AC	IΔn = 0.01 A	2	1/40	09132602	069060
DFS 2 040-2/0,03-AC	IΔn = 0.03 A	2	1/40	09134602	069077
DFS 2 040-2/0,10-AC	IΔn = 0.1 A	2	1/40	09135602	069084
DFS 2 040-2/0,30-AC	IΔn = 0.3 A	2	1/40	09136602	069091
DFS 2 040-2/0,50-AC	IΔn = 0.5 A	2	1/40	09137602	069107
63 A					
DFS 2 063-2/0,03-AC	IΔn = 0.03 A	2	1/40	09144602	069114
DFS 2 063-2/0,10-AC	IΔn = 0.1 A	2	1/40	09145602	069121
DFS 2 063-2/0,30-AC	IΔn = 0.3 A	2	1/40	09146602	069138
DFS 2 063-2/0,50-AC	IΔn = 0.5 A	2	1/40	09147602	069145
80 A					
DFS 2 080-2/0,03-AC	IΔn = 0.03 A	2	1/40	09154602	069152
DFS 2 080-2/0,10-AC	IΔn = 0.1 A	2	1/40	09155602	069169
DFS 2 080-2/0,30-AC	IΔn = 0.3 A	2	1/40	09156602	069176
DFS 2 080-2/0,50-AC	IΔn = 0.5 A	2	1/40	09157602	069183
100 A					
DFS 2 100-2/0,03-AC	IΔn = 0.03 A	2	1/40	09164602	069190
DFS 2 100-2/0,10-AC	IΔn = 0.1 A	2	1/40	09165602	069206
DFS 2 100-2/0,30-AC	IΔn = 0.3 A	2	1/40	09166602	069213
DFS 2 100-2/0,50-AC	IΔn = 0.5 A	2	1/40	09167602	069220
125 A					
DFS 2 125-2/0,03-AC	IΔn = 0.03 A	2	1/40	09174602	086760
DFS 2 125-2/0,10-AC	IΔn = 0.1 A	2	1/40	09175602	086807
DFS 2 125-2/0,30-AC	IΔn = 0.3 A	2	1/40	09176602	086845
DFS 2 125-2/0,50-AC	IΔn = 0.5 A	2	1/40	09177602	086883

All devices also available in HD design (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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EAN refers to individual item | All illustrations are non-binding.

residual current circuit-breaker (RCCB)

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

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

Type AC

sensitive to residual currents type AC

			mod. widths	pack. units	Article No.	EAN (4014712...)
16 A						
DFS 4 016-4/0,01-AC	IΔn = 0.01 A		4	1/20	09112902	090460
DFS 4 016-4/0,03-AC	IΔn = 0.03 A		4	1/20	09114902	090484
DFS 4 016-4/0,10-AC	IΔn = 0.1 A		4	1/20	09115902	151710
DFS 4 016-4/0,30-AC	IΔn = 0.3 A		4	1/20	09116902	207981
25 A						
DFS 4 025-4/0,01-AC	IΔn = 0.01 A		4	1/20	09122902	090507
DFS 4 025-4/0,03-AC	IΔn = 0.03 A		4	1/20	09124902	090521
DFS 4 025-4/0,10-AC	IΔn = 0.1 A		4	1/20	09125902	090545
DFS 4 025-4/0,30-AC	IΔn = 0.3 A		4	1/20	09126902	090569
DFS 4 025-4/0,50-AC	IΔn = 0.5 A		4	1/20	09127902	090583
40 A						
DFS 4 040-4/0,03-AC	IΔn = 0.03 A		4	1/20	09134902	090606
DFS 4 040-4/0,10-AC	IΔn = 0.1 A		4	1/20	09135902	090620
DFS 4 040-4/0,30-AC	IΔn = 0.3 A		4	1/20	09136902	090644
DFS 4 040-4/0,50-AC	IΔn = 0.5 A		4	1/20	09137902	090668
63 A						
DFS 4 063-4/0,03-AC	IΔn = 0.03 A		4	1/20	09144902	090682
DFS 4 063-4/0,10-AC	IΔn = 0.1 A		4	1/20	09145902	090705
DFS 4 063-4/0,30-AC	IΔn = 0.3 A		4	1/20	09146902	090729
DFS 4 063-4/0,50-AC	IΔn = 0.5 A		4	1/20	09147902	090743
80 A						
DFS 4 080-4/0,03-AC	IΔn = 0.03 A		4	1/20	09154902	090767
DFS 4 080-4/0,10-AC	IΔn = 0.1 A		4	1/20	09155902	090781
DFS 4 080-4/0,30-AC	IΔn = 0.3 A		4	1/20	09156902	090804
DFS 4 080-4/0,50-AC	IΔn = 0.5 A		4	1/20	09157902	090828
100 A						
DFS 4 100-4/0,03-AC	IΔn = 0.03 A		4	1/20	09164902	090842
DFS 4 100-4/0,10-AC	IΔn = 0.1 A		4	1/20	09165902	090866
DFS 4 100-4/0,30-AC	IΔn = 0.3 A		4	1/20	09166902	090880
DFS 4 100-4/0,50-AC	IΔn = 0.5 A		4	1/20	09167902	090903
125 A						
DFS 4 125-4/0,03-AC	IΔn = 0.03 A		4	1/20	09174902	090927
DFS 4 125-4/0,10-AC	IΔn = 0.1 A		4	1/20	09175902	090941
DFS 4 125-4/0,30-AC	IΔn = 0.3 A		4	1/20	09176902	090965
DFS 4 125-4/0,50-AC	IΔn = 0.5 A		4	1/20	09177902	090989

All devices also available in HD design and with N right (see info pages).

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

residual current circuit-breaker (RCCB)

Type AC

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

sensitive to residual currents type AC, selective

10000 ⌒ -25 S G
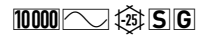
		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,30-AC S	IΔn = 0.3 A	2	1	09116 606	106864
40 A					
DFS 2 040-2/0,10-AC S	IΔn = 0.1 A	2	1/40	09135 606	131354
DFS 2 040-2/0,30-AC S	IΔn = 0.3 A	2	1/40	09136 606	131378
DFS 2 040-2/0,50-AC S	IΔn = 0.5 A	2	1/40	09137 606	131392
63 A					
DFS 2 063-2/0,10-AC S	IΔn = 0.1 A	2	1/40	09145 606	131415
DFS 2 063-2/0,30-AC S	IΔn = 0.3 A	2	1/40	09146 606	131439
DFS 2 063-2/0,50-AC S	IΔn = 0.5 A	2	1/40	09147 606	131453
80 A					
DFS 2 080-2/0,10-AC S	IΔn = 0.1 A	2	1/40	09155 606	131477
DFS 2 080-2/0,30-AC S	IΔn = 0.3 A	2	1/40	09156 606	131491
DFS 2 080-2/0,50-AC S	IΔn = 0.5 A	2	1/40	09157 606	131514
100 A					
DFS 2 100-2/0,10-AC S	IΔn = 0.1 A	2	1/40	09165 606	131538
DFS 2 100-2/0,30-AC S	IΔn = 0.3 A	2	1/40	09166 606	131552
DFS 2 100-2/0,50-AC S	IΔn = 0.5 A	2	1/40	09167 606	131576
125 A					
DFS 2 125-2/0,10-AC S	IΔn = 0.1 A	2	1/40	09175 606	131590
DFS 2 125-2/0,30-AC S	IΔn = 0.3 A	2	1/40	09176 606	131613
DFS 2 125-2/0,50-AC S	IΔn = 0.5 A	2	1/40	09177 606	131637

All devices also available in HD design (see info pages).

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

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

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

10000 ⌇ -25 **S** **G**

sensitive to residual currents type AC, selective

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09115906	212107
DFS 4 016-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09116906	212060
DFS 4 016-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09117906	212022
25 A					
DFS 4 025-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09125906	211988
DFS 4 025-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09126906	211940
DFS 4 025-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09127906	211902
40 A					
DFS 4 040-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09135906	131750
DFS 4 040-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09136906	091726
DFS 4 040-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09137906	091740
63 A					
DFS 4 063-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09145906	131774
DFS 4 063-4/0,30-AC R S	I∆n = 0.3 A	4	1/20	09146916	137172
DFS 4 063-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09146906	091801
DFS 4 063-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09147906	091825
80 A					
DFS 4 080-4/0,10-AC R S	I∆n = 0.1 A	4	1/20	09155916	136021
DFS 4 080-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09155906	131798
DFS 4 080-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09156906	091887
DFS 4 080-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09157906	091900
DFS 4 080-4/1,00-AC S	I∆n = 1 A	4	1/20	09158906	091023
100 A					
DFS 4 100-4/0,10-AC R S	I∆n = 0.1 A	4	1/20	09165916	136045
DFS 4 100-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09165906	131811
DFS 4 100-4/0,30-AC R S	I∆n = 0.3 A	4	1/20	09166916	197886
DFS 4 100-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09166906	091962
DFS 4 100-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09167906	091986
DFS 4 100-4/1,00-AC S	I∆n = 1 A	4	1/20	09168906	091047
125 A					
DFS 4 125-4/0,10-AC R S	I∆n = 0.1 A	4	1/20	09175916	136069
DFS 4 125-4/0,10-AC S	I∆n = 0.1 A	4	1/20	09175906	131835
DFS 4 125-4/0,30-AC S	I∆n = 0.3 A	4	1/20	09176906	092044
DFS 4 125-4/0,50-AC S	I∆n = 0.5 A	4	1/20	09177906	092068
DFS 4 125-4/1,00-AC S	I∆n = 1 A	4	1/20	09178906	091061

All devices also available in HD design and with N right (see info pages).
All devices also available in HD design (see info pages).

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

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

10000 ⌇ -25 **S** **G**

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
63 A					
DFS 4 063-4/0,50-AC S FT	I∆n = 0.5 A	4.5	1	09147944	213937
80 A					
DFS 4 080-4/0,30-AC S FT	I∆n = 0.3 A	4.5	1/10	09156944	151161
DFS 4 080-4/0,50-AC S FT	I∆n = 0.5 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 (see info pages).

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

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

residual current circuit-breaker (RCCB)

Type AC

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

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

40 A

		mod. widths	pack. units	Article No.	EAN
DFS 2 040-2/0,03-AC FT	IΔn = 0.03 A	2.5	1/20	09 134 622	213487
100 A					
DFS 2 100-2/0,03-AC FT	IΔn = 0.03 A	2.5	1/20	09 164 622	159679

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 (see info pages).

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,03-AC FT	IΔn = 0.03 A	4.5	1	09 114 922	200609
25 A					
DFS 4 025-4/0,03-AC FT	IΔn = 0.03 A	4.5	1	09 124 922	200470
40 A					
DFS 4 040-4/0,03-AC FT	IΔn = 0.03 A	4.5	1/10	09 134 922	156920
DFS 4 040-4/0,30-AC FT	IΔn = 0.3 A	4.5	1	09 136 922	160361
DFS 4 040-4/0,50-AC FT	IΔn = 0.5 A	4.5	1/10	09 137 922	129245
63 A					
DFS 4 063-4/0,03-AC FT	IΔn = 0.03 A	4.5	1/10	09 144 922	200524
DFS 4 063-4/0,30-AC FT	IΔn = 0.3 A	4.5	1	09 146 922	207028
DFS 4 063-4/0,50-AC FT	IΔn = 0.5 A	4.5	1/10	09 147 922	121751
80 A					
DFS 4 080-4/0,03-AC FT	IΔn = 0.03 A	4.5	1	09 154 922	106871
100 A					
DFS 4 100-4/0,03-AC FT	IΔn = 0.03 A	4.5	1/10	09 164 922	159655
DFS 4 100-4/0,30-AC FT	IΔn = 0.3 A	4.5	1	09 166 922	211872
125 A					
DFS 4 125-4/0,03-AC FT	IΔn = 0.03 A	4.5	1/10	09 174 922	200531

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.

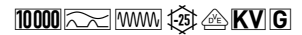All devices also available in HD design and with N right (see info pages).

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 ≠ 50 Hz

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 2 016-2/0,03-AC Hz400	IΔn = 0.03 A	2	1/40	09 114 638	129627
25 A					
DFS 2 025-2/0,03-AC Hz400	IΔn = 0.03 A	2	1/40	09 124 638	138704
40 A					
DFS 2 040-2/0,03-AC Hz400	IΔn = 0.03 A	2	1/40	09 134 638	138681

All devices also available in HD design (see info pages).

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

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residual current circuit-breaker (RCCB)

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

Type AC

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

10000 ⌣ 25

sensitive to residual currents type AC, for frequencies ≠ 50 Hz

25 A					
DFS 4 025-4/0,03-AC Hz400	I∆n = 0.03 A	4	1/20	09124938	149793
40 A					
DFS 4 040-4/0,50-AC Hz400	I∆n = 0.5 A	4	1/20	09137938	137936

All devices also available in HD design and with N right (see info pages).

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

Type AC

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

10000 ⌣ 25

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∆n = 0.5 A	4	1/20	09137962	135499
DFS 4W 040-3/0,50-AC	I∆n = 0.5 A	4	1/20	09137964	135512
63 A					
DFS 4W 063-2/0,50-AC	I∆n = 0.5 A	4	1/20	09147962	135550

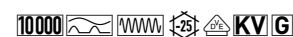All devices also available in HD design (see info pages).

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

Type AC

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

10000 ⌣ 25

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∆n = 0.5 A		4.5	1	09137966	135536
63 A					
DFS 4W 063-4/0,50-AC +DHi11 I∆n = 0.5 A		4.5	1/10	09147966	136908

All devices also available in HD design (see info pages).

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

residual current circuit–breaker (RCCB)

Type F

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

🔲10000 ⌇ WWW -25 ⚠ **KV** **G**

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,03-F	IΔn = 0.03 A	2	1/40	09114 020	212572
DFS 2 016-2/0,10-F	IΔn = 0.1 A	2	1/40	09115 020	212596
DFS 2 016-2/0,30-F	IΔn = 0.3 A	2	1/40	09116 020	213449
DFS 2 016-2/0,50-F	IΔn = 0.5 A	2	1/40	09117 020	212619
25 A					
DFS 2 025-2/0,03-F	IΔn = 0.03 A	2	1/40	09124 020	212633
DFS 2 025-2/0,10-F	IΔn = 0.1 A	2	1/40	09125 020	212657
DFS 2 025-2/0,30-F	IΔn = 0.3 A	2	1/40	09126 020	212671
DFS 2 025-2/0,50-F	IΔn = 0.5 A	2	1/40	09127 020	212695
40 A					
DFS 2 040-2/0,03-F	IΔn = 0.03 A	2	1/40	09134 020	212718
DFS 2 040-2/0,10-F	IΔn = 0.1 A	2	1/40	09135 020	212732
DFS 2 040-2/0,30-F	IΔn = 0.3 A	2	1/40	09136 020	212756
DFS 2 040-2/0,50-F	IΔn = 0.5 A	2	1/40	09137 020	212770
63 A					
DFS 2 063-2/0,03-F	IΔn = 0.03 A	2	1/40	09144 020	212794
DFS 2 063-2/0,10-F	IΔn = 0.1 A	2	1/40	09145 020	212817
DFS 2 063-2/0,30-F	IΔn = 0.3 A	2	1/40	09146 020	212831
DFS 2 063-2/0,50-F	IΔn = 0.5 A	2	1/40	09147 020	212855
80 A					
DFS 2 080-2/0,03-F	IΔn = 0.03 A	2	1/40	09154 020	212879
DFS 2 080-2/0,10-F	IΔn = 0.1 A	2	1/40	09155 020	212893
DFS 2 080-2/0,30-F	IΔn = 0.3 A	2	1/40	09156 020	212916
DFS 2 080-2/0,50-F	IΔn = 0.5 A	2	1/40	09157 020	212930
100 A					
DFS 2 100-2/0,03-F	IΔn = 0.03 A	2	1/40	09164 020	212954
DFS 2 100-2/0,10-F	IΔn = 0.1 A	2	1/40	09165 020	212978
DFS 2 100-2/0,30-F	IΔn = 0.3 A	2	1/40	09166 020	212992
DFS 2 100-2/0,50-F	IΔn = 0.5 A	2	1/40	09167 020	213012
125 A					
DFS 2 125-2/0,03-F	IΔn = 0.03 A	2	1/40	09174 020	213036
DFS 2 125-2/0,10-F	IΔn = 0.1 A	2	1/40	09175 020	213050
DFS 2 125-2/0,30-F	IΔn = 0.3 A	2	1/40	09176 020	213074
DFS 2 125-2/0,50-F	IΔn = 0.5 A	2	1/40	09177 020	213098

All devices also available in HD design (see info pages).

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

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

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 ⌇ WWW ❄-25 ⬦ KV G

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,03-F	IΔn = 0.03 A	4	1/20	09114 820	212169
DFS 4 016-4/0,10-F	IΔn = 0.1 A	4	1/20	09115 820	212183
DFS 4 016-4/0,30-F	IΔn = 0.3 A	4	1/20	09116 820	212206
DFS 4 016-4/0,50-F	IΔn = 0.5 A	4	1/20	09117 820	212220
25 A					
DFS 4 025-4/0,03-F	IΔn = 0.03 A	4	1/20	09124 820	212244
DFS 4 025-4/0,10-F	IΔn = 0.1 A	4	1/20	09125 820	212268
DFS 4 025-4/0,30-F	IΔn = 0.3 A	4	1/20	09126 820	212282
DFS 4 025-4/0,50-F	IΔn = 0.5 A	4	1/20	09127 820	212305
40 A					
DFS 4 040-4/0,03-F	IΔn = 0.03 A	4	1/20	09134 820	212329
DFS 4 040-4/0,10-F	IΔn = 0.1 A	4	1/20	09135 820	212343
DFS 4 040-4/0,30-F	IΔn = 0.3 A	4	1/20	09136 820	212367
DFS 4 040-4/0,50-F	IΔn = 0.5 A	4	1/20	09137 820	212381
63 A					
DFS 4 063-4/0,03-F	IΔn = 0.03 A	4	1/20	09144 820	212404
DFS 4 063-4/0,10-F	IΔn = 0.1 A	4	1/20	09145 820	212428
DFS 4 063-4/0,30-F	IΔn = 0.3 A	4	1/20	09146 820	212442
DFS 4 063-4/0,50-F	IΔn = 0.5 A	4	1/20	09147 820	212466
80 A					
DFS 4 080-4/0,03-F	IΔn = 0.03 A	4	1/20	09154 820	212497
DFS 4 080-4/0,10-F	IΔn = 0.1 A	4	1/20	09155 820	212510
DFS 4 080-4/0,30-F	IΔn = 0.3 A	4	1/20	09156 820	212534
DFS 4 080-4/0,50-F	IΔn = 0.5 A	4	1/20	09157 820	212558
100 A					
DFS 4 100-4/0,03-F	IΔn = 0.03 A	4	1/20	09164 820	213111
DFS 4 100-4/0,10-F	IΔn = 0.1 A	4	1/20	09165 820	213135
DFS 4 100-4/0,30-F	IΔn = 0.3 A	4	1/20	09166 820	213159
DFS 4 100-4/0,50-F	IΔn = 0.5 A	4	1/20	09167 820	213173
125 A					
DFS 4 125-4/0,03-F	IΔn = 0.03 A	4	1/20	09174 820	213197
DFS 4 125-4/0,10-F	IΔn = 0.1 A	4	1/20	09175 820	213210
DFS 4 125-4/0,30-F	IΔn = 0.3 A	4	1/20	09176 820	213234
DFS 4 125-4/0,50-F	IΔn = 0.5 A	4	1/20	09177 820	213258

All devices also available in HD design and with N right (see info pages).

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

Type F **residual current circuit-breaker DFS 4 F EV, 4-pole**   10000 ⌇ WWW �ᶠ⁺ -25 KV G
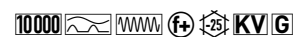
sensitive to residual currents type F, short-time delayed, lightning resistant, with DC tripping threshold 6 mA, for electromobility

		mod. widths	pack. units	Article No.	EAN (4014712...)
25 A					
DFS 4 025-4/0,03-F EV	IΔn = 0.03 A	4	1/20	09124 814	242944
40 A					
DFS 4 040-4/0,03-F EV	IΔn = 0.03 A	4	1/20	09134 814	243002
63 A					
DFS 4 063-4/0,03-F EV	IΔn = 0.03 A	4	1/20	09144 814	242968
80 A					
DFS 4 080-4/0,03-F EV	IΔn = 0.03 A	4	1/20	09154 814	242982

All devices also available in HD design and with N right (see info pages).

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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EAN refers to individual item | All illustrations are non-binding.

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
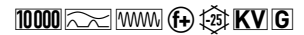
[10000] [~] [WWW] [f+] [-25] KV G

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	IΔn = 0.03 A		4	1/20	09 124 814 HD	246607
40 A						
DFS 4 040-4/0,03-F EV HD	IΔn = 0.03 A		4	1/20	09 134 814 HD	246584
63 A						
DFS 4 063-4/0,03-F EV HD	IΔn = 0.03 A		4	1/20	09 144 814 HD	246560
80 A						
DFS 4 080-4/0,03-F EV HD	IΔn = 0.03 A		4	1/20	09 154 814 HD	246546

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: **44**

Type F

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

[10000] [~] [WWW] [-25] [△] KV G
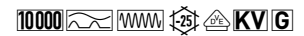
sensitive to residual currents type F, short-time delayed, lightning resistant

40 A						
DFS 2 040-2/0,03-F Audio	IΔn = 0.03 A		2	1/4	09 134 046	242838

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: **44**

Type F

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

[10000] [~] [WWW] [-25] [△] KV G
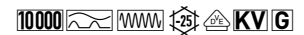
sensitive to residual currents type F, short-time delayed, lightning resistant

63 A						
DFS 4 063-4/0,03-F Audio	IΔn = 0.03 A		4	1/20	09 144 846	242876

Extremely low-impedance design for high-quality audiophile components, reduced loss of sound. Also available as a 60 Hz version.

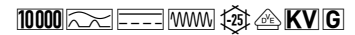All devices also available with N right.

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

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

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
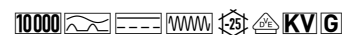
10000 ⌇ ---- WWW -25 ⚠ KV G

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

16 A

		mod. widths	pack. units	Article No.	EAN
DFS 2 016-2/0,03-B SK	IΔn = 0.03 A	2	1/40	09114598	241763
DFS 2 016-2/0,10-B SK	IΔn = 0.1 A	2	1/40	09115598	244849
DFS 2 016-2/0,30-B SK	IΔn = 0.3 A	2	1/40	09116598	242586
25 A					
DFS 2 025-2/0,03-B SK	IΔn = 0.03 A	2	1/40	09124598	241749
DFS 2 025-2/0,10-B SK	IΔn = 0.1 A	2	1/40	09125598	244863
DFS 2 025-2/0,30-B SK	IΔn = 0.3 A	2	1/40	09126598	241640
40 A					
DFS 2 040-2/0,03-B SK	IΔn = 0.03 A	2	1/40	09134598	241725
DFS 2 040-2/0,10-B SK	IΔn = 0.1 A	2	1/40	09135598	244887
DFS 2 040-2/0,30-B SK	IΔn = 0.3 A	2	1/40	09136598	241664
63 A					
DFS 2 063-2/0,03-B SK	IΔn = 0.03 A	2	1/40	09144598	241701
DFS 2 063-2/0,10-B SK	IΔn = 0.1 A	2	1/40	09145598	244900
DFS 2 063-2/0,30-B SK	IΔn = 0.3 A	2	1/40	09146598	241688
80 A					
DFS 2 080-2/0,03-B SK	IΔn = 0.03 A	2	1/40	09154598	243040
DFS 2 080-2/0,10-B SK	IΔn = 0.1 A	2	1/40	09155598	244924
DFS 2 080-2/0,30-B SK	IΔn = 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: **44**

Type B

residual current circuit–breaker DFS 4 B SK, 2-pole
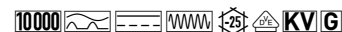
10000 ⌇ ---- WWW -25 ⚠ KV G

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

100 A

		mod. widths	pack. units	Article No.	EAN
DFS 4 100-2/0,03-B SK	IΔn = 0.03 A	4	1/20	09164698	157552
DFS 4 100-2/0,10-B SK	IΔn = 0.1 A	4	1/20	09165698	157576
DFS 4 100-2/0,30-B SK	IΔn = 0.3 A	4	1/20	09166698	158146
DFS 4 100-2/0,50-B SK	IΔn = 0.5 A	4	1/20	09167698	157590
125 A					
DFS 4 125-2/0,03-B SK	IΔn = 0.03 A	4	1/20	09174698	153066
DFS 4 125-2/0,10-B SK	IΔn = 0.1 A	4	1/20	09175698	157613
DFS 4 125-2/0,30-B SK	IΔn = 0.3 A	4	1/20	09176698	157637
DFS 4 125-2/0,50-B SK	IΔn = 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:* **44**

residual current circuit-breaker (RCCB)

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

|		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09114998	148383
DFS 4 016-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09115998	148406
DFS 4 016-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09116998	148420
DFS 4 016-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09117998	148444
25 A					
DFS 4 025-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09124998	148468
DFS 4 025-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09125998	148482
DFS 4 025-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09126998	148505
DFS 4 025-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09127998	148529
40 A					
DFS 4 040-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09134998	148543
DFS 4 040-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09135998	148567
DFS 4 040-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09136998	148581
DFS 4 040-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09137998	148604
63 A					
DFS 4 063-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09144998	148628
DFS 4 063-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09145998	148642
DFS 4 063-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09146998	148666
DFS 4 063-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09147998	148680
80 A					
DFS 4 080-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09154998	148703
DFS 4 080-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09155998	148727
DFS 4 080-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09156998	148741
DFS 4 080-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09157998	148765
100 A					
DFS 4 100-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09164998	148789
DFS 4 100-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09165998	148802
DFS 4 100-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09166998	148826
DFS 4 100-4/0,50-B SK	IΔn = 0.5 A	4	1/20	09167998	148840
125 A					
DFS 4 125-4/0,03-B SK	IΔn = 0.03 A	4	1/20	09174998	149359
DFS 4 125-4/0,10-B SK	IΔn = 0.1 A	4	1/20	09175998	149373
DFS 4 125-4/0,30-B SK	IΔn = 0.3 A	4	1/20	09176998	148864
DFS 4 125-4/0,50-B SK	IΔn = 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. 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

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

residual current circuit-breaker (RCCB)

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

Type B

residual current circuit-breaker DFS 4 B SK MI, 4-pole
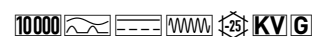
10000 〜 ---- WWW ⟨-25⟩ KV G

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09 114 892	223592
25 A					
DFS 4 025-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09 124 892	223615
40 A					
DFS 4 040-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09 134 892	223639
63 A					
DFS 4 063-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09 144 892	223653
80 A					
DFS 4 080-4/0,03-B SK MI	IΔn = 0.03 A	4	1/20	09 154 892	249721
DFS 4 080-4/0,30-B SK MI	IΔn = 0.3 A	4	1/20	09 156 892	247864

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
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Type B

residual current circuit-breaker DFS 4 B SK S, 4-pole
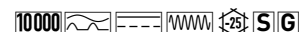
10000 〜 ---- WWW ⟨-25⟩ S G

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

		mod. widths	pack. units	Article No.	EAN
40 A					
DFS 4 040-4/0,30-B SK S	IΔn = 0.3 A	4	1/20	09 136 999	149397
DFS 4 040-4/0,50-B SK S	IΔn = 0.5 A	4	1/20	09 137 999	149410
63 A					
DFS 4 063-4/0,30-B SK S	IΔn = 0.3 A	4	1/20	09 146 999	149434
DFS 4 063-4/0,50-B SK S	IΔn = 0.5 A	4	1/20	09 147 999	149458
80 A					
DFS 4 080-4/0,30-B SK S	IΔn = 0.3 A	4	1/20	09 156 999	149472
DFS 4 080-4/0,50-B SK S	IΔn = 0.5 A	4	1/20	09 157 999	149496
100 A					
DFS 4 100-4/0,30-B SK S	IΔn = 0.3 A	4	1/20	09 166 999	149519
DFS 4 100-4/0,50-B SK S	IΔn = 0.5 A	4	1/20	09 167 999	149533
125 A					
DFS 4 125-4/0,30-B SK S	IΔn = 0.3 A	4	1/20	09 176 999	149557
DFS 4 125-4/0,50-B SK S	IΔn = 0.5 A	4	1/20	09 177 999	149571

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
on Page: 44

residual current circuit-breaker (RCCB)

Type B

residual current circuit-breaker DFS 4 B SK S V, 4-pole
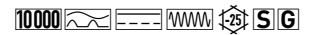
AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, lightning resistant, selective, for special voltages 500 V

		mod. widths	pack. units	Article No.	EAN (4014712...)
40 A					
DFS 4 040-4/0,30-B SK S V500	IΔn = 0.3 A	4	1/20	09136982	156715
DFS 4 040-4/0,50-B SK S V500	IΔn = 0.5 A	4	1/20	09137982	156739
63 A					
DFS 4 063-4/0,30-B SK S V500	IΔn = 0.3 A	4	1/20	09146982	156753
DFS 4 063-4/0,50-B SK S V500	IΔn = 0.5 A	4	1/20	09147982	156777
80 A					
DFS 4 080-4/0,30-B SK S V500	IΔn = 0.3 A	4	1/20	09156982	156791
DFS 4 080-4/0,50-B SK S V500	IΔn = 0.5 A	4	1/20	09157982	156814
100 A					
DFS 4 100-4/0,30-B SK S V500	IΔn = 0.3 A	4	1/20	09166982	156838
DFS 4 100-4/0,50-B SK S V500	IΔn = 0.5 A	4	1/20	09167982	156852
125 A					
DFS 4 125-4/0,30-B SK S V500	IΔn = 0.3 A	4	1/20	09176982	156876
DFS 4 125-4/0,50-B SK S V500	IΔn = 0.5 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
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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
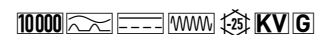
`10000` `⌁` `▭---` `WWW` `{-25}` `KV` `G`

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

		mod. widths	pack. units	Article No.	EAN
16 A					
DFS 4 016-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09114984	156197
DFS 4 016-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09115984	156210
DFS 4 016-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09116984	156234
DFS 4 016-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09117984	156258
25 A					
DFS 4 025-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09124984	156272
DFS 4 025-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09125984	156296
DFS 4 025-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09126984	156319
DFS 4 025-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09127984	156333
40 A					
DFS 4 040-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09134984	156357
DFS 4 040-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09135984	156371
DFS 4 040-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09136984	156395
DFS 4 040-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09137984	156418
63 A					
DFS 4 063-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09144984	154421
DFS 4 063-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09145984	156432
DFS 4 063-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09146984	156456
DFS 4 063-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09147984	156470
80 A					
DFS 4 080-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09154984	156494
DFS 4 080-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09155984	156517
DFS 4 080-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09156984	156531
DFS 4 080-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09157984	156555
100 A					
DFS 4 100-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09164984	156579
DFS 4 100-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09165984	156593
DFS 4 100-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09166984	156616
DFS 4 100-4/0,50-B SK V500	IΔn = 0.5 A	4	1/20	09167984	156630
125 A					
DFS 4 125-4/0,03-B SK V500	IΔn = 0.03 A	4	1/20	09174984	158634
DFS 4 125-4/0,10-B SK V500	IΔn = 0.1 A	4	1/20	09175984	156654
DFS 4 125-4/0,30-B SK V500	IΔn = 0.3 A	4	1/20	09176984	156678
DFS 4 125-4/0,50-B SK V500	IΔn = 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.
All devices are also available in HD design. 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
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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
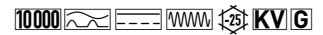
AC/DC sensitive type B, increased surge-current resistant, short-time delayed, lightning resistant, Emergency shut-off function

			mod. widths	pack. units	Article No.	EAN
16 A						
DFS 4 016-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 114 861	224094
25 A						
DFS 4 025-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 124 861	224117
40 A						
DFS 4 040-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 134 861	224124
63 A						
DFS 4 063-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 144 861	224148
80 A						
DFS 4 080-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 154 861	270282
100 A						
DFS 4 100-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 164 861	270305
125 A						
DFS 4 125-4/0,03-B SK NA	IΔn = 0.03 A		4.5	1/16	09 174 861	225589

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. All devices are also available in HD design.

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

Type B

residual current circuit-breaker DFS 4 B SK ISO HD, 4-pole
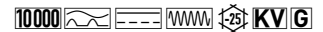
AC/DC sensitive type B, for installations with frequency inverters, UPS devices etc, increased surge-current resistant, short-time delayed, lightning resistant, for harsh environments, compliant

			mod. widths	pack. units	Article No.	EAN
40 A						
DFS 4 040-4/0,03-B SK ISO HD	IΔn = 0.03 A	**NEW**	4	1/20	09 134 848HD	264717
DFS 4 040-4/0,30-B SK ISO HD	IΔn = 0.3 A	**NEW**	4	1/20	09 136 848HD	270848
63 A						
DFS 4 063-4/0,03-B SK ISO HD	IΔn = 0.03 A	**NEW**	4	1/20	09 144 848HD	264731
DFS 4 063-4/0,30-B SK ISO HD	IΔn = 0.3 A	**NEW**	4	1/20	09 146 848HD	264755
DFS 4 063-4/0,50-B SK ISO HD	IΔn = 0.5 A	**NEW**	4	1/20	09 147 848HD	264779

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.

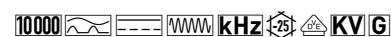All devices are also available with N right.

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

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

Doepke

residual current circuit–breaker (RCCB)

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

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

`10000` `∿` `----` `WWW` `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 20 kHz

|		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 2 016-2/0,03-B+	I∆n = 0.03 A	2	1/40	09114596	244962
DFS 2 016-2/0,10-B+	I∆n = 0.1 A	2	1/40	09115596	245143
DFS 2 016-2/0,30-B+	I∆n = 0.3 A	2	1/40	09116596	245167
25 A					
DFS 2 025-2/0,03-B+	I∆n = 0.03 A	2	1/40	09124596	244986
DFS 2 025-2/0,10-B+	I∆n = 0.1 A	2	1/40	09125596	245129
DFS 2 025-2/0,30-B+	I∆n = 0.3 A	2	1/40	09126596	245181
40 A					
DFS 2 040-2/0,03-B+	I∆n = 0.03 A	2	1/40	09134596	245006
DFS 2 040-2/0,10-B+	I∆n = 0.1 A	2	1/40	09135596	245105
DFS 2 040-2/0,30-B+	I∆n = 0.3 A	2	1/40	09136596	245204
63 A					
DFS 2 063-2/0,03-B+	I∆n = 0.03 A	2	1/40	09144596	245020
DFS 2 063-2/0,10-B+	I∆n = 0.1 A	2	1/40	09145596	245082
DFS 2 063-2/0,30-B+	I∆n = 0.3 A	2	1/40	09146596	245228
80 A					
DFS 2 080-2/0,03-B+	I∆n = 0.03 A	2	1/40	09154596	245044
DFS 2 080-2/0,10-B+	I∆n = 0.1 A	2	1/40	09155596	245068
DFS 2 080-2/0,30-B+	I∆n = 0.3 A	2	1/40	09156596	245242

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

residual current circuit–breaker DFS 4 B+, 2-pole
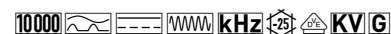
`10000` `∿` `----` `WWW` `kHz` `-25` `⚠` `KV` `G`

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 20 kHz

		mod. widths	pack. units	Article No.	EAN (4014712...)
100 A					
DFS 4 100-2/0,03-B+	I∆n = 0.03 A	4	1/20	09164095	203839
DFS 4 100-2/0,10-B+	I∆n = 0.1 A	4	1/20	09165095	203853
DFS 4 100-2/0,30-B+	I∆n = 0.3 A	4	1/20	09166095	203877
125 A					
DFS 4 125-2/0,03-B+	I∆n = 0.03 A	4	1/20	09174095	203891
DFS 4 125-2/0,10-B+	I∆n = 0.1 A	4	1/20	09175095	203914
DFS 4 125-2/0,30-B+	I∆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

residual current circuit-breaker (RCCB)

Type B+

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

10000 〰 ---- WWW **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 20 kHz

|		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,03-B+	IΔn = 0.03 A	4	1/20	09114895	203112
DFS 4 016-4/0,10-B+	IΔn = 0.1 A	4	1/20	09115895	203136
DFS 4 016-4/0,30-B+	IΔn = 0.3 A	4	1/20	09116895	203150
25 A					
DFS 4 025-4/0,03-B+	IΔn = 0.03 A	4	1/20	09124895	203174
DFS 4 025-4/0,10-B+	IΔn = 0.1 A	4	1/20	09125895	203198
DFS 4 025-4/0,30-B+	IΔn = 0.3 A	4	1/20	09126895	203211
40 A					
DFS 4 040-4/0,03-B+	IΔn = 0.03 A	4	1/20	09134895	203235
DFS 4 040-4/0,10-B+	IΔn = 0.1 A	4	1/20	09135895	203259
DFS 4 040-4/0,30-B+	IΔn = 0.3 A	4	1/20	09136895	203273
63 A					
DFS 4 063-4/0,03-B+	IΔn = 0.03 A	4	1/20	09144895	203297
DFS 4 063-4/0,10-B+	IΔn = 0.1 A	4	1/20	09145895	203310
DFS 4 063-4/0,30-B+	IΔn = 0.3 A	4	1/20	09146895	203334
80 A					
DFS 4 080-4/0,03-B+	IΔn = 0.03 A	4	1/20	09154895	203358
DFS 4 080-4/0,10-B+	IΔn = 0.1 A	4	1/20	09155895	203372
DFS 4 080-4/0,30-B+	IΔn = 0.3 A	4	1/20	09156895	203396
100 A					
DFS 4 100-4/0,03-B+	IΔn = 0.03 A	4	1/20	09164895	203419
DFS 4 100-4/0,10-B+	IΔn = 0.1 A	4	1/20	09165895	203433
DFS 4 100-4/0,30-B+	IΔn = 0.3 A	4	1/20	09166895	203457
125 A					
DFS 4 125-4/0,03-B+	IΔn = 0.03 A	4	1/20	09174895	203471
DFS 4 125-4/0,10-B+	IΔn = 0.1 A	4	1/20	09175895	203495
DFS 4 125-4/0,30-B+	IΔn = 0.3 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
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Type B+

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

10000 〰 ---- WWW **kHz** -25 **KV G**

AC/DC sensitive type B+, for mobile installations

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,03-B+ MI	IΔn = 0.03 A	4	1/20	09114889	217966
25 A					
DFS 4 025-4/0,03-B+ MI	IΔn = 0.03 A	4	1/20	09124889	217980
40 A					
DFS 4 040-4/0,03-B+ MI	IΔn = 0.03 A	4	1/20	09134889	218000
63 A					
DFS 4 063-4/0,03-B+ MI	IΔn = 0.03 A	4	1/20	09144889	218024

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.

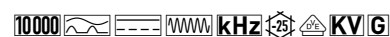All devices are also available in HD design and up to 80 A with N right.

Accessories: auxiliary switches DHi, terminal caps KA, software DBS, information stickers HAS, automatic reclosing devices DFA, restart locks DFS WES
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EAN refers to individual item | All illustrations are non-binding.

residual current circuit-breaker (RCCB)

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

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

Type B

10000 ⌇ ╌╌╌ WWW **kHz** -25℃ ⚠ **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

16 A
DFS 2 016-2/0,03-B NK	IΔn = 0.03 A	2	1/40	09114595	242609
DFS 2 016-2/0,10-B NK	IΔn = 0.1 A	2	1/40	09115595	244740
DFS 2 016-2/0,30-B NK	IΔn = 0.3 A	2	1/40	09116595	242746

25 A
DFS 2 025-2/0,03-B NK	IΔn = 0.03 A	2	1/40	09124595	242623
DFS 2 025-2/0,10-B NK	IΔn = 0.1 A	2	1/40	09125595	244764
DFS 2 025-2/0,30-B NK	IΔn = 0.3 A	2	1/40	09126595	242722

40 A
DFS 2 040-2/0,03-B NK	IΔn = 0.03 A	2	1/40	09134595	242647
DFS 2 040-2/0,10-B NK	IΔn = 0.1 A	2	1/40	09135595	244788
DFS 2 040-2/0,30-B NK	IΔn = 0.3 A	2	1/40	09136595	242708

63 A
DFS 2 063-2/0,03-B NK	IΔn = 0.03 A	2	1/40	09144595	242661
DFS 2 063-2/0,10-B NK	IΔn = 0.1 A	2	1/40	09145595	244801
DFS 2 063-2/0,30-B NK	IΔn = 0.3 A	2	1/40	09146595	242685

80 A
|					
DFS 2 080-2/0,03-B NK	IΔn = 0.03 A	2	1/40	09154595	243064
DFS 2 080-2/0,10-B NK	IΔn = 0.1 A	2	1/40	09155595	244825
DFS 2 080-2/0,30-B NK	IΔn = 0.3 A	2	1/40	09156595	243088

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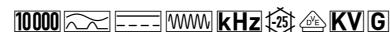
Type B

10000 ⌇ ╌╌╌ WWW **kHz** -25℃ ⚠ **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	IΔn = 0.03 A	4	1/20	09164695	157279
DFS 4 100-2/0,10-B NK	IΔn = 0.1 A	4	1/20	09165695	157293
DFS 4 100-2/0,30-B NK	IΔn = 0.3 A	4	1/20	09166695	157095

125 A
DFS 4 125-2/0,03-B NK	IΔn = 0.03 A	4	1/20	09174695	157330
DFS 4 125-2/0,10-B NK	IΔn = 0.1 A	4	1/20	09175695	157354
DFS 4 125-2/0,30-B NK	IΔn = 0.3 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
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residual current circuit-breaker (RCCB)

Type B

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

10000 ∿ ---- WWW **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

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
DFS 4 016-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09114995	139237
DFS 4 016-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09115995	139251
DFS 4 016-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09116995	139275
25 A					
DFS 4 025-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09124995	139312
DFS 4 025-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09125995	139336
DFS 4 025-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09126995	139350
40 A					
DFS 4 040-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09134995	139398
DFS 4 040-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09135995	139411
DFS 4 040-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09136995	139435
63 A					
DFS 4 063-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09144995	139473
DFS 4 063-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09145995	139497
DFS 4 063-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09146995	139510
80 A					
DFS 4 080-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09154995	139558
DFS 4 080-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09155995	139572
DFS 4 080-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09156995	139596
100 A					
DFS 4 100-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09164995	139633
DFS 4 100-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09165995	139657
DFS 4 100-4/0,30-B NK	IΔn = 0.3 A	4	1/20	09166995	139671
125 A					
DFS 4 125-4/0,03-B NK	IΔn = 0.03 A	4	1/20	09174995	144453
DFS 4 125-4/0,10-B NK	IΔn = 0.1 A	4	1/20	09175995	144620
DFS 4 125-4/0,30-B NK	IΔn = 0.3 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
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Type B

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

10000 ∿ ---- WWW **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, for harsh environments

|		mod. widths	pack. units	Article No.	EAN (4014712...)
63 A					
DFS 4 063-4/0,10-B NK HD	IΔn = 0.1 A	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
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EAN refers to individual item | All illustrations are non-binding.

residual current circuit-breaker (RCCB)

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

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

`10000` ⌇ --- WWW **kHz** -25 **S** **G**

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
DFS 4 040-4/0,30-B NK S	IΔn = 0.3 A		4	1/20	09136979	205475

63 A

DFS 4 063-4/0,30-B NK S	IΔn = 0.3 A		4	1/20	09146979	198357

80 A

DFS 4 080-4/0,30-B NK S	IΔn = 0.3 A		4	1/20	09156979	205499

100 A

DFS 4 100-4/0,30-B NK S	IΔn = 0.3 A		4	1/20	09166979	205512

125 A

DFS 4 125-4/0,30-B NK S	IΔn = 0.3 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: **44**

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

`10000` ⌇ --- WWW **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, for special voltages 500 V

16 A

			mod. widths	pack. units	Article No.	EAN (4014712...)
DFS 4 016-4/0,03-B NK V500	IΔn = 0.03 A		4	1/20	09114983	155633
DFS 4 016-4/0,10-B NK V500	IΔn = 0.1 A		4	1/20	09115983	155657
DFS 4 016-4/0,30-B NK V500	IΔn = 0.3 A		4	1/20	09116983	155671

25 A

DFS 4 025-4/0,03-B NK V500	IΔn = 0.03 A		4	1/20	09124983	155718
DFS 4 025-4/0,10-B NK V500	IΔn = 0.1 A		4	1/20	09125983	155732
DFS 4 025-4/0,30-B NK V500	IΔn = 0.3 A		4	1/20	09126983	155756

40 A

DFS 4 040-4/0,03-B NK V500	IΔn = 0.03 A		4	1/20	09134983	155794
DFS 4 040-4/0,10-B NK V500	IΔn = 0.1 A		4	1/20	09135983	155817
DFS 4 040-4/0,30-B NK V500	IΔn = 0.3 A		4	1/20	09136983	155831

63 A

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

80 A

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

100 A

DFS 4 100-4/0,03-B NK V500	IΔn = 0.03 A		4	1/20	09164983	156036
DFS 4 100-4/0,10-B NK V500	IΔn = 0.1 A		4	1/20	09165983	156050
DFS 4 100-4/0,30-B NK V500	IΔn = 0.3 A		4	1/20	09166983	156074

125 A

DFS 4 125-4/0,03-B NK V500	IΔn = 0.03 A		4	1/20	09174983	156111
DFS 4 125-4/0,10-B NK V500	IΔn = 0.1 A		4	1/20	09175983	156135
DFS 4 125-4/0,30-B NK V500	IΔn = 0.3 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
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accessories (RCCB), distribution boards

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

automatic reclosing devices DFA 2

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
DFA 2	24 V AC/DC, Switch-on attempts: 1		4	1	09 100 110	205598
DFA 2-1	24 V AC/DC, Switch-on attempts: 1		4	1	09 100 112	208339
DFA 2-2	24 V AC/DC, Switch-on attempts: 1 or 3		4	1	09 100 113	208346
DFA 2-3	230 V AC , Switch-on attempts: 1 or 3		4	1	09 100 114	208445
DFA 2-4	230 V AC , Switch-on attempts: 1 or 3		4	1	09 100 115	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.

automatic reclosing devices DFA 3

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
DFA 3 012DC-0	12 V DC, Switch-on attempts: 0	**NEW**	1	1	09 100 140	240933
DFA 3 012DC-3	12 V DC, Switch-on attempts: 3	**NEW**	1	1	09 100 142	240957
DFA 3 024DC-0	24 V DC, Switch-on attempts: 0		1	1	09 100 141	240940
DFA 3 024DC-3	24 V DC, Switch-on attempts: 3		1	1	09 100 143	240964

auxiliary switches DHi

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
DHi 11	1 NC/1 CO, for DFS and DHS		0.5	1	09 200 040	198388

restart locks WES

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

			pack. units	Article No.	EAN (4014712...)
WES	for DFS/ DHS		1	09 913 993	149656

terminal caps KA

for protection against contact with voltage from leading terminals

			pack. units	Article No.	EAN (4014712...)
KA-DFS 2	sealable		1	09 200 011	089440
KA-DFS 4	sealable		1	09 200 012	123779

information stickers HAS

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

			pack. units	Article No.	EAN (4014712...)
HAS DFS			1	09 200 021	215832

software DBS

For DFS 2, DFS 4 and DLS 6

			pack. units	Article No.	EAN (4014712...)
DBS V2			1	09 917 979	249028

Download free-of-charge online at www.doepke.de

distribution boards DPB

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

			pack. units	Article No.	EAN (4014712...)
DPB 16 01-100	16 A input, 16 A output		1	09 931 300	231030
DPB 32 01-010	32 A input, 32 A output		1	09 931 301	231047
DPB 32 01-110	input 32 A, output 16/32 A (changeable)		1	09 931 302	231054

The devices are fitted with DFS 4 B SK MI HD ($I\Delta n$ = 0.03 A). Rated voltage 230 V, 400 V/ 50 Hz

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

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

Type A — modular residual current devices DMRCD type A

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
DMRCD 1 A	adjustable	4	1	09340350	202665

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:

Accessories — residual current transformer DCT A

for combination with a DMRCD 1A/DRCM 1A

		pack. units	Article No.	EAN (4014712...)
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

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

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

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

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
characteristic B					
DRCBO 3 B06/0,03/1N-A	6 A, IΔn = 0.03 A	2	1	09 932 101	220560
DRCBO 3 B10/0,03/1N-A	10 A, IΔn = 0.03 A	2	1	09 932 102	220584
DRCBO 3 B13/0,03/1N-A	13 A, IΔn = 0.03 A	2	1	09 932 103	220607
DRCBO 3 B16/0,01/1N-A	16 A, IΔn = 0.01 A	2	1	09 932 144	220843
DRCBO 3 B16/0,03/1N-A	16 A, IΔn = 0.03 A	2	1	09 932 104	220621
DRCBO 3 B16/0,30/1N-A	16 A, IΔn = 0.3 A	2	1	09 932 114	220669
DRCBO 3 B20/0,03/1N-A	20 A, IΔn = 0.03 A	2	1	09 932 105	221789
DRCBO 3 B20/0,30/1N-A	20 A, IΔn = 0.3 A	2	1	09 932 115	222199
DRCBO 3 B25/0,03/1N-A	25 A, IΔn = 0.03 A	2	1	09 932 106	221802
DRCBO 3 B25/0,30/1N-A	25 A, IΔn = 0.3 A	2	1	09 932 116	222212
DRCBO 3 B32/0,03/1N-A	32 A, IΔn = 0.03 A	2	1	09 932 107	221826
DRCBO 3 B32/0,30/1N-A	32 A, IΔn = 0.3 A	2	1	09 932 117	222236
characteristic C					
DRCBO 3 C06/0,03/1N-A	6 A, IΔn = 0.03 A	2	1	09 932 121	220683
DRCBO 3 C10/0,03/1N-A	10 A, IΔn = 0.03 A	2	1	09 932 122	220706
DRCBO 3 C13/0,03/1N-A	13 A, IΔn = 0.03 A	2	1	09 932 123	220720
DRCBO 3 C16/0,01/1N-A	16 A, IΔn = 0.01 A	2	1	09 932 154	220867
DRCBO 3 C16/0,03/1N-A	16 A, IΔn = 0.03 A	2	1	09 932 124	220744
DRCBO 3 C16/0,30/1N-A	16 A, IΔn = 0.3 A	2	1	09 932 134	220829
DRCBO 3 C20/0,03/1N-A	20 A, IΔn = 0.03 A	2	1	09 932 125	220768
DRCBO 3 C20/0,30/1N-A	20 A, IΔn = 0.3 A	2	1	09 932 135	222779
DRCBO 3 C25/0,03/1N-A	25 A, IΔn = 0.03 A	2	1	09 932 126	220782
DRCBO 3 C25/0,30/1N-A	25 A, IΔn = 0.3 A	2	1	09 932 136	222793
DRCBO 3 C32/0,03/1N-A	32 A, IΔn = 0.03 A	2	1	09 932 127	220805
DRCBO 3 C32/0,30/1N-A	32 A, IΔn = 0.3 A	2	1	09 932 137	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, auxiliary switches Hi

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
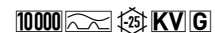
		mod. widths	pack. units	Article No.	EAN (4014712...)
characteristic B					
DRCBO 3 B16/0,03/1N-A KV	16 A, IΔn = 0.03 A	2	1	09 932 404	220928
DRCBO 3 B25/0,03/1N-A KV	25 A, IΔn = 0.03 A	2	1	09 932 406	220942
DRCBO 3 B32/0,03/1N-A KV	32 A, IΔn = 0.03 A	2	1	09 932 407	220966
DRCBO 3 B40/0,03/1N-A KV	40 A, IΔn = 0.03 A	2	1	09 932 408	220980
characteristic C					
DRCBO 3 C16/0,03/1N-A KV	16 A, IΔn = 0.03 A	2	1	09 932 424	221000
DRCBO 3 C25/0,03/1N-A KV	25 A, IΔn = 0.03 A	2	1	09 932 426	221024
DRCBO 3 C32/0,03/1N-A KV	32 A, IΔn = 0.03 A	2	1	09 932 427	221048
DRCBO 3 C40/0,03/1N-A KV	40 A, IΔn = 0.03 A	2	1	09 932 428	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, auxiliary switches Hi

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...)

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

sensitive to pulsating and alternating currents type A

6000 ⌁ ⬡-25

characteristic B

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 B06/0,03/3N-A	6 A, IΔn = 0.03 A	NEW	4	1	09 945 101	266513
DRCBO 4 B06/0,30/3N-A	6 A, IΔn = 0.3 A	NEW	4	1	09 945 111	266605
DRCBO 4 B10/0,03/3N-A	10 A, IΔn = 0.03 A	NEW	4	1	09 945 102	266537
DRCBO 4 B10/0,30/3N-A	10 A, IΔn = 0.3 A	NEW	4	1	09 945 112	266612
DRCBO 4 B13/0,03/3N-A	13 A, IΔn = 0.03 A	NEW	4	1	09 945 103	266544
DRCBO 4 B13/0,30/3N-A	13 A, IΔn = 0.3 A	NEW	4	1	09 945 113	266629
DRCBO 4 B16/0,03/3N-A	16 A, IΔn = 0.03 A	NEW	4	1	09 945 104	266551
DRCBO 4 B16/0,30/3N-A	16 A, IΔn = 0.3 A	NEW	4	1	09 945 114	266636
DRCBO 4 B20/0,03/3N-A	20 A, IΔn = 0.03 A	NEW	4	1	09 945 105	266568
DRCBO 4 B20/0,30/3N-A	20 A, IΔn = 0.3 A	NEW	4	1	09 945 115	266643
DRCBO 4 B25/0,03/3N-A	25 A, IΔn = 0.03 A	NEW	4	1	09 945 106	266575
DRCBO 4 B25/0,30/3N-A	25 A, IΔn = 0.3 A	NEW	4	1	09 945 116	266650
DRCBO 4 B32/0,03/3N-A	32 A, IΔn = 0.03 A	NEW	4	1	09 945 107	266582
DRCBO 4 B32/0,30/3N-A	32 A, IΔn = 0.3 A	NEW	4	1	09 945 117	266667
DRCBO 4 B40/0,03/3N-A	40 A, IΔn = 0.03 A	NEW	5	1	09 945 108	266599
DRCBO 4 B40/0,30/3N-A	40 A, IΔn = 0.3 A	NEW	5	1	09 945 118	266674

characteristic C

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 C06/0,03/3N-A	6 A, IΔn = 0.03 A	NEW	4	1	09 945 121	266360
DRCBO 4 C06/0,30/3N-A	6 A, IΔn = 0.3 A	NEW	4	1	09 945 131	266445
DRCBO 4 C10/0,03/3N-A	10 A, IΔn = 0.03 A	NEW	4	1	09 945 122	266377
DRCBO 4 C10/0,30/3N-A	10 A, IΔn = 0.3 A	NEW	4	1	09 945 132	266452
DRCBO 4 C13/0,03/3N-A	13 A, IΔn = 0.03 A	NEW	4	1	09 945 123	266384
DRCBO 4 C13/0,30/3N-A	13 A, IΔn = 0.3 A	NEW	4	1	09 945 133	266469
DRCBO 4 C16/0,03/3N-A	16 A, IΔn = 0.03 A	NEW	4	1	09 945 124	266407
DRCBO 4 C16/0,30/3N-A	16 A, IΔn = 0.3 A	NEW	4	1	09 945 134	266476
DRCBO 4 C20/0,03/3N-A	20 A, IΔn = 0.03 A	NEW	4	1	09 945 125	266391
DRCBO 4 C20/0,30/3N-A	20 A, IΔn = 0.3 A	NEW	4	1	09 945 135	266483
DRCBO 4 C25/0,03/3N-A	25 A, IΔn = 0.03 A	NEW	4	1	09 945 126	266414
DRCBO 4 C25/0,30/3N-A	25 A, IΔn = 0.3 A	NEW	4	1	09 945 136	266490
DRCBO 4 C32/0,03/3N-A	32 A, IΔn = 0.03 A	NEW	4	1	09 945 127	266438
DRCBO 4 C32/0,30/3N-A	32 A, IΔn = 0.3 A	NEW	4	1	09 945 137	266506
DRCBO 4 C40/0,03/3N-A	40 A, IΔn = 0.03 A	NEW	5	1	09 945 128	266421
DRCBO 4 C40/0,30/3N-A	40 A, IΔn = 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
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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

10000 ⌁ WWW ⬡-25 KV

characteristic B

		mod. widths	pack. units	Article No.	EAN
DRCBO 3 B16/0,03/1N-F	16 A, IΔn = 0.03 A	2	1	09 932 304	241305
DRCBO 3 B25/0,03/1N-F	25 A, IΔn = 0.03 A	2	1	09 932 306	241367
DRCBO 3 B40/0,03/1N-F	40 A, IΔn = 0.03 A	2	1	09 932 308	241404

characteristic C

|		mod. widths	pack. units	Article No.	EAN
DRCBO 3 C16/0,03/1N-F	16 A, IΔn = 0.03 A	2	1	09 932 324	241329
DRCBO 3 C25/0,03/1N-F	25 A, IΔn = 0.03 A	2	1	09 932 326	242524
DRCBO 3 C40/0,03/1N-F	40 A, IΔn = 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, auxiliary switches Hi
on Page: **55**

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

Type B

residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 type B SK, 1+N-pole
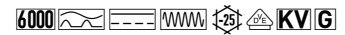
6000 ⌇ ---- WWW -25 △ KV G

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

characteristic B			mod. widths	pack. units	Article No.	EAN (4014712...)
DRCBO 4 B06/0,03/1N-B SK	6 A, I∆n = 0.03 A	NEW	2.5	1	09 949101	259188
DRCBO 4 B06/0,10/1N-B SK	6 A, I∆n = 0.1 A	NEW	2.5	1	09 949141	259430
DRCBO 4 B06/0,30/1N-B SK	6 A, I∆n = 0.3 A	NEW	2.5	1	09 949111	259256
DRCBO 4 B10/0,03/1N-B SK	10 A, I∆n = 0.03 A	NEW	2.5	1	09 949102	259195
DRCBO 4 B10/0,10/1N-B SK	10 A, I∆n = 0.1 A	NEW	2.5	1	09 949142	259447
DRCBO 4 B10/0,30/1N-B SK	10 A, I∆n = 0.3 A	NEW	2.5	1	09 949112	259263
DRCBO 4 B13/0,03/1N-B SK	13 A, I∆n = 0.03 A	NEW	2.5	1	09 949103	259201
DRCBO 4 B13/0,10/1N-B SK	13 A, I∆n = 0.1 A	NEW	2.5	1	09 949143	259454
DRCBO 4 B13/0,30/1N-B SK	13 A, I∆n = 0.3 A	NEW	2.5	1	09 949113	259270
DRCBO 4 B16/0,03/1N-B SK	16 A, I∆n = 0.03 A	NEW	2.5	1	09 949104	259218
DRCBO 4 B16/0,10/1N-B SK	16 A, I∆n = 0.1 A	NEW	2.5	1	09 949144	259461
DRCBO 4 B16/0,30/1N-B SK	16 A, I∆n = 0.3 A	NEW	2.5	1	09 949114	259287
DRCBO 4 B20/0,03/1N-B SK	20 A, I∆n = 0.03 A	NEW	2.5	1	09 949105	259225
DRCBO 4 B20/0,10/1N-B SK	20 A, I∆n = 0.1 A	NEW	2.5	1	09 949145	259478
DRCBO 4 B20/0,30/1N-B SK	20 A, I∆n = 0.3 A	NEW	2.5	1	09 949115	259294
DRCBO 4 B25/0,03/1N-B SK	25 A, I∆n = 0.03 A	NEW	2.5	1	09 949106	259232
DRCBO 4 B25/0,10/1N-B SK	25 A, I∆n = 0.1 A	NEW	2.5	1	09 949146	259485
DRCBO 4 B25/0,30/1N-B SK	25 A, I∆n = 0.3 A	NEW	2.5	1	09 949116	259300
DRCBO 4 B32/0,03/1N-B SK	32 A, I∆n = 0.03 A	NEW	2.5	1	09 949107	259249
DRCBO 4 B32/0,10/1N-B SK	32 A, I∆n = 0.1 A	NEW	2.5	1	09 949147	259492
DRCBO 4 B32/0,30/1N-B SK	32 A, I∆n = 0.3 A	NEW	2.5	1	09 949117	259317
characteristic C						
DRCBO 4 C06/0,03/1N-B SK	6 A, I∆n = 0.03 A	NEW	2.5	1	09 949121	248229
DRCBO 4 C06/0,10/1N-B SK	6 A, I∆n = 0.1 A	NEW	2.5	1	09 949161	259508
DRCBO 4 C06/0,30/1N-B SK	6 A, I∆n = 0.3 A	NEW	2.5	1	09 949131	259362
DRCBO 4 C10/0,03/1N-B SK	10 A, I∆n = 0.03 A	NEW	2.5	1	09 949122	248243
DRCBO 4 C10/0,10/1N-B SK	10 A, I∆n = 0.1 A	NEW	2.5	1	09 949162	259515
DRCBO 4 C10/0,30/1N-B SK	10 A, I∆n = 0.3 A	NEW	2.5	1	09 949132	259379
DRCBO 4 C13/0,03/1N-B SK	13 A, I∆n = 0.03 A	NEW	2.5	1	09 949123	248267
DRCBO 4 C13/0,10/1N-B SK	13 A, I∆n = 0.1 A	NEW	2.5	1	09 949163	259522
DRCBO 4 C13/0,30/1N-B SK	13 A, I∆n = 0.3 A	NEW	2.5	1	09 949133	259386
DRCBO 4 C16/0,03/1N-B SK	16 A, I∆n = 0.03 A	NEW	2.5	1	09 949124	259324
DRCBO 4 C16/0,10/1N-B SK	16 A, I∆n = 0.1 A	NEW	2.5	1	09 949164	259539
DRCBO 4 C16/0,30/1N-B SK	16 A, I∆n = 0.3 A	NEW	2.5	1	09 949134	259393
DRCBO 4 C20/0,03/1N-B SK	20 A, I∆n = 0.03 A	NEW	2.5	1	09 949125	259331
DRCBO 4 C20/0,10/1N-B SK	20 A, I∆n = 0.1 A	NEW	2.5	1	09 949165	259546
DRCBO 4 C20/0,30/1N-B SK	20 A, I∆n = 0.3 A	NEW	2.5	1	09 949135	259409
DRCBO 4 C25/0,03/1N-B SK	25 A, I∆n = 0.03 A	NEW	2.5	1	09 949126	259348
DRCBO 4 C25/0,10/1N-B SK	25 A, I∆n = 0.1 A	NEW	2.5	1	09 949166	259553
DRCBO 4 C25/0,30/1N-B SK	25 A, I∆n = 0.3 A	NEW	2.5	1	09 949136	259416
DRCBO 4 C32/0,03/1N-B SK	32 A, I∆n = 0.03 A	NEW	2.5	1	09 949127	259355
DRCBO 4 C32/0,10/1N-B SK	32 A, I∆n = 0.1 A	NEW	2.5	1	09 949167	259560
DRCBO 4 C32/0,30/1N-B SK	32 A, I∆n = 0.3 A	NEW	2.5	1	09 949137	259423

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.

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

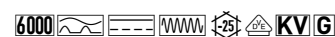*EAN refers to individual item | All illustrations are non-binding.*

	mod. widths	pack. units	Article No.	EAN (4014712…)

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

6000 ⌇ ---- WWW ❄-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, Tripping frequency response up to 150 kHz

characteristic B

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 B06/0,03/3N-B SK	6 A, I∆n = 0.03 A	NEW	4.5	1	09948101	258747
DRCBO 4 B06/0,10/3N-B SK	6 A, I∆n = 0.1 A	NEW	4.5	1	09948151	258952
DRCBO 4 B06/0,30/3N-B SK	6 A, I∆n = 0.3 A	NEW	4.5	1	09948111	248083
DRCBO 4 B10/0,03/3N-B SK	10 A, I∆n = 0.03 A	NEW	4.5	1	09948102	258754
DRCBO 4 B10/0,10/3N-B SK	10 A, I∆n = 0.1 A	NEW	4.5	1	09948152	258969
DRCBO 4 B10/0,30/3N-B SK	10 A, I∆n = 0.3 A	NEW	4.5	1	09948112	248106
DRCBO 4 B13/0,03/3N-B SK	13 A, I∆n = 0.03 A	NEW	4.5	1	09948103	258761
DRCBO 4 B13/0,10/3N-B SK	13 A, I∆n = 0.1 A	NEW	4.5	1	09948153	258976
DRCBO 4 B13/0,30/3N-B SK	13 A, I∆n = 0.3 A	NEW	4.5	1	09948113	248120
DRCBO 4 B16/0,03/3N-B SK	16 A, I∆n = 0.03 A	NEW	4.5	1	09948104	258778
DRCBO 4 B16/0,10/3N-B SK	16 A, I∆n = 0.1 A	NEW	4.5	1	09948154	247987
DRCBO 4 B16/0,30/3N-B SK	16 A, I∆n = 0.3 A	NEW	4.5	1	09948114	248144
DRCBO 4 B20/0,03/3N-B SK	20 A, I∆n = 0.03 A	NEW	4.5	1	09948105	258785
DRCBO 4 B20/0,10/3N-B SK	20 A, I∆n = 0.1 A	NEW	4.5	1	09948155	248007
DRCBO 4 B20/0,30/3N-B SK	20 A, I∆n = 0.3 A	NEW	4.5	1	09948115	248168
DRCBO 4 B25/0,03/3N-B SK	25 A, I∆n = 0.03 A	NEW	4.5	1	09948106	258792
DRCBO 4 B25/0,10/3N-B SK	25 A, I∆n = 0.1 A	NEW	4.5	1	09948156	248021
DRCBO 4 B25/0,30/3N-B SK	25 A, I∆n = 0.3 A	NEW	4.5	1	09948116	248182
DRCBO 4 B32/0,03/3N-B SK	32 A, I∆n = 0.03 A	NEW	4.5	1	09948107	258808
DRCBO 4 B32/0,10/3N-B SK	32 A, I∆n = 0.1 A	NEW	4.5	1	09948157	248045
DRCBO 4 B32/0,30/3N-B SK	32 A, I∆n = 0.3 A	NEW	4.5	1	09948117	248205

characteristic C

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 C06/0,03/3N-B SK	6 A, I∆n = 0.03 A	NEW	4.5	1	09948121	258815
DRCBO 4 C06/0,10/3N-B SK	6 A, I∆n = 0.1 A	NEW	4.5	1	09948171	258983
DRCBO 4 C06/0,30/3N-B SK	6 A, I∆n = 0.3 A	NEW	4.5	1	09948131	258884
DRCBO 4 C10/0,03/3N-B SK	10 A, I∆n = 0.03 A	NEW	4.5	1	09948122	258822
DRCBO 4 C10/0,10/3N-B SK	10 A, I∆n = 0.1 A	NEW	4.5	1	09948172	258990
DRCBO 4 C10/0,30/3N-B SK	10 A, I∆n = 0.3 A	NEW	4.5	1	09948132	258891
DRCBO 4 C13/0,03/3N-B SK	13 A, I∆n = 0.03 A	NEW	4.5	1	09948123	258839
DRCBO 4 C13/0,10/3N-B SK	13 A, I∆n = 0.1 A	NEW	4.5	1	09948173	259003
DRCBO 4 C13/0,30/3N-B SK	13 A, I∆n = 0.3 A	NEW	4.5	1	09948133	258907
DRCBO 4 C16/0,03/3N-B SK	16 A, I∆n = 0.03 A	NEW	4.5	1	09948124	258846
DRCBO 4 C16/0,10/3N-B SK	16 A, I∆n = 0.1 A	NEW	4.5	1	09948174	259010
DRCBO 4 C16/0,30/3N-B SK	16 A, I∆n = 0.3 A	NEW	4.5	1	09948134	258914
DRCBO 4 C20/0,03/3N-B SK	20 A, I∆n = 0.03 A	NEW	4.5	1	09948125	258853
DRCBO 4 C20/0,10/3N-B SK	20 A, I∆n = 0.1 A	NEW	4.5	1	09948175	259027
DRCBO 4 C20/0,30/3N-B SK	20 A, I∆n = 0.3 A	NEW	4.5	1	09948135	258921
DRCBO 4 C25/0,03/3N-B SK	25 A, I∆n = 0.03 A	NEW	4.5	1	09948126	258860
DRCBO 4 C25/0,10/3N-B SK	25 A, I∆n = 0.1 A	NEW	4.5	1	09948176	259034
DRCBO 4 C25/0,30/3N-B SK	25 A, I∆n = 0.3 A	NEW	4.5	1	09948136	258938
DRCBO 4 C32/0,03/3N-B SK	32 A, I∆n = 0.03 A	NEW	4.5	1	09948127	258877
DRCBO 4 C32/0,10/3N-B SK	32 A, I∆n = 0.1 A	NEW	4.5	1	09948177	259041
DRCBO 4 C32/0,30/3N-B SK	32 A, I∆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.

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

Type B

residual current operated circuit-breakers with integral overcurrent protection DRCBO 4 type B NK, 1+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

6000 ~ ---- WWW **kHz** -25° △ **KV G**

			mod. widths	pack. units	Article No.	EAN (4014712...)
characteristic B						
DRCBO 4 B06/0,03/1N-B NK	6 A, IΔn = 0.03 A	NEW	2.5	1	09 949 201	259577
DRCBO 4 B06/0,10/1N-B NK	6 A, IΔn = 0.1 A	NEW	2.5	1	09 949 241	259713
DRCBO 4 B06/0,30/1N-B NK	6 A, IΔn = 0.3 A	NEW	2.5	1	09 949 211	259645
DRCBO 4 B10/0,03/1N-B NK	10 A, IΔn = 0.03 A	NEW	2.5	1	09 949 202	259584
DRCBO 4 B10/0,10/1N-B NK	10 A, IΔn = 0.1 A	NEW	2.5	1	09 949 242	259720
DRCBO 4 B10/0,30/1N-B NK	10 A, IΔn = 0.3 A	NEW	2.5	1	09 949 212	259652
DRCBO 4 B13/0,03/1N-B NK	13 A, IΔn = 0.03 A	NEW	2.5	1	09 949 203	259591
DRCBO 4 B13/0,10/1N-B NK	13 A, IΔn = 0.1 A	NEW	2.5	1	09 949 243	270626
DRCBO 4 B13/0,30/1N-B NK	13 A, IΔn = 0.3 A	NEW	2.5	1	09 949 213	259669
DRCBO 4 B16/0,03/1N-B NK	16 A, IΔn = 0.03 A	NEW	2.5	1	09 949 204	259607
DRCBO 4 B16/0,10/1N-B NK	16 A, IΔn = 0.1 A	NEW	2.5	1	09 949 244	259737
DRCBO 4 B16/0,30/1N-B NK	16 A, IΔn = 0.3 A	NEW	2.5	1	09 949 214	259676
DRCBO 4 B20/0,03/1N-B NK	20 A, IΔn = 0.03 A	NEW	2.5	1	09 949 205	259614
DRCBO 4 B20/0,10/1N-B NK	20 A, IΔn = 0.1 A	NEW	2.5	1	09 949 245	259744
DRCBO 4 B20/0,30/1N-B NK	20 A, IΔn = 0.3 A	NEW	2.5	1	09 949 215	259683
DRCBO 4 B25/0,03/1N-B NK	25 A, IΔn = 0.03 A	NEW	2.5	1	09 949 206	259621
DRCBO 4 B25/0,10/1N-B NK	25 A, IΔn = 0.1 A	NEW	2.5	1	09 949 246	259751
DRCBO 4 B25/0,30/1N-B NK	25 A, IΔn = 0.3 A	NEW	2.5	1	09 949 216	259690
DRCBO 4 B32/0,03/1N-B NK	32 A, IΔn = 0.03 A	NEW	2.5	1	09 949 207	259638
DRCBO 4 B32/0,10/1N-B NK	32 A, IΔn = 0.1 A	NEW	2.5	1	09 949 247	259768
DRCBO 4 B32/0,30/1N-B NK	32 A, IΔn = 0.3 A	NEW	2.5	1	09 949 217	259706
characteristic C						
DRCBO 4 C06/0,03/1N-B NK	6 A, IΔn = 0.03 A	NEW	2.5	1	09 949 221	264915
DRCBO 4 C06/0,10/1N-B NK	6 A, IΔn = 0.1 A	NEW	2.5	1	09 949 261	264274
DRCBO 4 C06/0,30/1N-B NK	6 A, IΔn = 0.3 A	NEW	2.5	1	09 949 231	264465
DRCBO 4 C10/0,03/1N-B NK	10 A, IΔn = 0.03 A	NEW	2.5	1	09 949 222	264922
DRCBO 4 C10/0,10/1N-B NK	10 A, IΔn = 0.1 A	NEW	2.5	1	09 949 262	264281
DRCBO 4 C10/0,30/1N-B NK	10 A, IΔn = 0.3 A	NEW	2.5	1	09 949 232	264472
DRCBO 4 C13/0,03/1N-B NK	13 A, IΔn = 0.03 A	NEW	2.5	1	09 949 223	264045
DRCBO 4 C13/0,10/1N-B NK	13 A, IΔn = 0.1 A	NEW	2.5	1	09 949 263	264298
DRCBO 4 C13/0,30/1N-B NK	13 A, IΔn = 0.3 A	NEW	2.5	1	09 949 233	264489
DRCBO 4 C16/0,03/1N-B NK	16 A, IΔn = 0.03 A	NEW	2.5	1	09 949 224	264052
DRCBO 4 C16/0,10/1N-B NK	16 A, IΔn = 0.1 A	NEW	2.5	1	09 949 264	264304
DRCBO 4 C16/0,30/1N-B NK	16 A, IΔn = 0.3 A	NEW	2.5	1	09 949 234	264496
DRCBO 4 C20/0,03/1N-B NK	20 A, IΔn = 0.03 A	NEW	2.5	1	09 949 225	264069
DRCBO 4 C20/0,10/1N-B NK	20 A, IΔn = 0.1 A	NEW	2.5	1	09 949 265	264311
DRCBO 4 C20/0,30/1N-B NK	20 A, IΔn = 0.3 A	NEW	2.5	1	09 949 235	264502
DRCBO 4 C25/0,03/1N-B NK	25 A, IΔn = 0.03 A	NEW	2.5	1	09 949 226	264076
DRCBO 4 C25/0,10/1N-B NK	25 A, IΔn = 0.1 A	NEW	2.5	1	09 949 266	264328
DRCBO 4 C25/0,30/1N-B NK	25 A, IΔn = 0.3 A	NEW	2.5	1	09 949 236	264519
DRCBO 4 C32/0,03/1N-B NK	32 A, IΔn = 0.03 A	NEW	2.5	1	09 949 227	264083
DRCBO 4 C32/0,10/1N-B NK	32 A, IΔn = 0.1 A	NEW	2.5	1	09 949 267	264335
DRCBO 4 C32/0,30/1N-B NK	32 A, IΔn = 0.3 A	NEW	2.5	1	09 949 237	264526

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

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

Type B

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

6000 ⌁ ▭▭▭▭ WWW kHz ❄-25 ⚠ 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

characteristic B

			mod. widths	pack. units	Article No.	EAN (4014712...)
DRCBO 4 B06/0,03/3N-B NK	6 A, IΔn = 0.03 A	NEW	4.5	1	09948201	259058
DRCBO 4 B06/0,10/3N-B NK	6 A, IΔn = 0.1 A	NEW	4.5	1	09948251	259119
DRCBO 4 B06/0,30/3N-B NK	6 A, IΔn = 0.3 A	NEW	4.5	1	09948211	261952
DRCBO 4 B10/0,03/3N-B NK	10 A, IΔn = 0.03 A	NEW	4.5	1	09948202	259065
DRCBO 4 B10/0,10/3N-B NK	10 A, IΔn = 0.1 A	NEW	4.5	1	09948252	259126
DRCBO 4 B10/0,30/3N-B NK	10 A, IΔn = 0.3 A	NEW	4.5	1	09948212	261976
DRCBO 4 B13/0,03/3N-B NK	13 A, IΔn = 0.03 A	NEW	4.5	1	09948203	259072
DRCBO 4 B13/0,10/3N-B NK	13 A, IΔn = 0.1 A	NEW	4.5	1	09948253	259133
DRCBO 4 B13/0,30/3N-B NK	13 A, IΔn = 0.3 A	NEW	4.5	1	09948213	261990
DRCBO 4 B16/0,03/3N-B NK	16 A, IΔn = 0.03 A	NEW	4.5	1	09948204	259089
DRCBO 4 B16/0,10/3N-B NK	16 A, IΔn = 0.1 A	NEW	4.5	1	09948254	259140
DRCBO 4 B16/0,30/3N-B NK	16 A, IΔn = 0.3 A	NEW	4.5	1	09948214	262010
DRCBO 4 B20/0,03/3N-B NK	20 A, IΔn = 0.03 A	NEW	4.5	1	09948205	249899
DRCBO 4 B20/0,10/3N-B NK	20 A, IΔn = 0.1 A	NEW	4.5	1	09948255	259157
DRCBO 4 B20/0,30/3N-B NK	20 A, IΔn = 0.3 A	NEW	4.5	1	09948215	262034
DRCBO 4 B25/0,03/3N-B NK	25 A, IΔn = 0.03 A	NEW	4.5	1	09948206	259096
DRCBO 4 B25/0,10/3N-B NK	25 A, IΔn = 0.1 A	NEW	4.5	1	09948256	259164
DRCBO 4 B25/0,30/3N-B NK	25 A, IΔn = 0.3 A	NEW	4.5	1	09948216	262058
DRCBO 4 B32/0,03/3N-B NK	32 A, IΔn = 0.03 A	NEW	4.5	1	09948207	259102
DRCBO 4 B32/0,10/3N-B NK	32 A, IΔn = 0.1 A	NEW	4.5	1	09948257	259171
DRCBO 4 B32/0,30/3N-B NK	32 A, IΔn = 0.3 A	NEW	4.5	1	09948217	262072

characteristic C

			mod. widths	pack. units	Article No.	EAN (4014712...)
DRCBO 4 C06/0,03/3N-B NK	6 A, IΔn = 0.03 A	NEW	4.5	1	09948221	264960
DRCBO 4 C06/0,10/3N-B NK	6 A, IΔn = 0.1 A	NEW	4.5	1	09948271	265035
DRCBO 4 C06/0,30/3N-B NK	6 A, IΔn = 0.3 A	NEW	4.5	1	09948231	265110
DRCBO 4 C10/0,03/3N-B NK	10 A, IΔn = 0.03 A	NEW	4.5	1	09948222	264977
DRCBO 4 C10/0,10/3N-B NK	10 A, IΔn = 0.1 A	NEW	4.5	1	09948272	265042
DRCBO 4 C10/0,30/3N-B NK	10 A, IΔn = 0.3 A	NEW	4.5	1	09948232	265103
DRCBO 4 C13/0,03/3N-B NK	13 A, IΔn = 0.03 A	NEW	4.5	1	09948223	264984
DRCBO 4 C13/0,10/3N-B NK	13 A, IΔn = 0.1 A	NEW	4.5	1	09948273	265066
DRCBO 4 C13/0,30/3N-B NK	13 A, IΔn = 0.3 A	NEW	4.5	1	09948233	265127
DRCBO 4 C16/0,03/3N-B NK	16 A, IΔn = 0.03 A	NEW	4.5	1	09948224	264991
DRCBO 4 C16/0,10/3N-B NK	16 A, IΔn = 0.1 A	NEW	4.5	1	09948274	265059
DRCBO 4 C16/0,30/3N-B NK	16 A, IΔn = 0.3 A	NEW	4.5	1	09948234	265134
DRCBO 4 C20/0,03/3N-B NK	20 A, IΔn = 0.03 A	NEW	4.5	1	09948225	265004
DRCBO 4 C20/0,10/3N-B NK	20 A, IΔn = 0.1 A	NEW	4.5	1	09948275	265073
DRCBO 4 C20/0,30/3N-B NK	20 A, IΔn = 0.3 A	NEW	4.5	1	09948235	265165
DRCBO 4 C25/0,03/3N-B NK	25 A, IΔn = 0.03 A	NEW	4.5	1	09948226	265011
DRCBO 4 C25/0,10/3N-B NK	25 A, IΔn = 0.1 A	NEW	4.5	1	09948276	265080
DRCBO 4 C25/0,30/3N-B NK	25 A, IΔn = 0.3 A	NEW	4.5	1	09948236	265172
DRCBO 4 C32/0,03/3N-B NK	32 A, IΔn = 0.03 A	NEW	4.5	1	09948227	265028
DRCBO 4 C32/0,10/3N-B NK	32 A, IΔn = 0.1 A	NEW	4.5	1	09948277	265097
DRCBO 4 C32/0,30/3N-B NK	32 A, IΔn = 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
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residual current operated circuit-breakers with integral overcurrent protection (RCBO)

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

6000 ~ ---- WWW **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 20 kHz

characteristic B

			mod. widths	pack. units	Article No.	EAN (4014712...)
DRCBO 4 B06/0,03/1N-B+	6 A, I∆n = 0.03 A	NEW	2.5	1	09949301	265196
DRCBO 4 B06/0,10/1N-B+	6 A, I∆n = 0.1 A	NEW	2.5	1	09949341	265264
DRCBO 4 B06/0,30/1N-B+	6 A, I∆n = 0.3 A	NEW	2.5	1	09949311	265332
DRCBO 4 B10/0,03/1N-B+	10 A, I∆n = 0.03 A	NEW	2.5	1	09949302	265202
DRCBO 4 B10/0,10/1N-B+	10 A, I∆n = 0.1 A	NEW	2.5	1	09949342	265271
DRCBO 4 B10/0,30/1N-B+	10 A, I∆n = 0.3 A	NEW	2.5	1	09949312	265349
DRCBO 4 B13/0,03/1N-B+	13 A, I∆n = 0.03 A	NEW	2.5	1	09949303	265219
DRCBO 4 B13/0,10/1N-B+	13 A, I∆n = 0.1 A	NEW	2.5	1	09949343	265288
DRCBO 4 B13/0,30/1N-B+	13 A, I∆n = 0.3 A	NEW	2.5	1	09949313	265356
DRCBO 4 B16/0,03/1N-B+	16 A, I∆n = 0.03 A	NEW	2.5	1	09949304	265226
DRCBO 4 B16/0,10/1N-B+	16 A, I∆n = 0.1 A	NEW	2.5	1	09949344	265295
DRCBO 4 B16/0,30/1N-B+	16 A, I∆n = 0.3 A	NEW	2.5	1	09949314	265363
DRCBO 4 B20/0,03/1N-B+	20 A, I∆n = 0.03 A	NEW	2.5	1	09949305	265233
DRCBO 4 B20/0,10/1N-B+	20 A, I∆n = 0.1 A	NEW	2.5	1	09949345	265301
DRCBO 4 B20/0,30/1N-B+	20 A, I∆n = 0.3 A	NEW	2.5	1	09949315	265370
DRCBO 4 B25/0,03/1N-B+	25 A, I∆n = 0.03 A	NEW	2.5	1	09949306	265240
DRCBO 4 B25/0,10/1N-B+	25 A, I∆n = 0.1 A	NEW	2.5	1	09949346	265318
DRCBO 4 B25/0,30/1N-B+	25 A, I∆n = 0.3 A	NEW	2.5	1	09949316	265387
DRCBO 4 B32/0,03/1N-B+	32 A, I∆n = 0.03 A	NEW	2.5	1	09949307	265257
DRCBO 4 B32/0,10/1N-B+	32 A, I∆n = 0.1 A	NEW	2.5	1	09949347	265325
DRCBO 4 B32/0,30/1N-B+	32 A, I∆n = 0.3 A	NEW	2.5	1	09949317	265394

characteristic C

			mod. widths	pack. units	Article No.	EAN (4014712...)
DRCBO 4 C06/0,03/1N-B+	6 A, I∆n = 0.03 A	NEW	2.5	1	09949321	265622
DRCBO 4 C06/0,10/1N-B+	6 A, I∆n = 0.1 A	NEW	2.5	1	09949361	267640
DRCBO 4 C06/0,30/1N-B+	6 A, I∆n = 0.3 A	NEW	2.5	1	09949331	265844
DRCBO 4 C10/0,03/1N-B+	10 A, I∆n = 0.03 A	NEW	2.5	1	09949322	265639
DRCBO 4 C10/0,10/1N-B+	10 A, I∆n = 0.1 A	NEW	2.5	1	09949362	267657
DRCBO 4 C10/0,30/1N-B+	10 A, I∆n = 0.3 A	NEW	2.5	1	09949332	265851
DRCBO 4 C13/0,03/1N-B+	13 A, I∆n = 0.03 A	NEW	2.5	1	09949323	265646
DRCBO 4 C13/0,10/1N-B+	13 A, I∆n = 0.1 A	NEW	2.5	1	09949363	267664
DRCBO 4 C13/0,30/1N-B+	13 A, I∆n = 0.3 A	NEW	2.5	1	09949333	265868
DRCBO 4 C16/0,03/1N-B+	16 A, I∆n = 0.03 A	NEW	2.5	1	09949324	265653
DRCBO 4 C16/0,10/1N-B+	16 A, I∆n = 0.1 A	NEW	2.5	1	09949364	267671
DRCBO 4 C16/0,30/1N-B+	16 A, I∆n = 0.3 A	NEW	2.5	1	09949334	265875
DRCBO 4 C20/0,03/1N-B+	20 A, I∆n = 0.03 A	NEW	2.5	1	09949325	265660
DRCBO 4 C20/0,10/1N-B+	20 A, I∆n = 0.1 A	NEW	2.5	1	09949365	267695
DRCBO 4 C20/0,30/1N-B+	20 A, I∆n = 0.3 A	NEW	2.5	1	09949335	265882
DRCBO 4 C25/0,03/1N-B+	25 A, I∆n = 0.03 A	NEW	2.5	1	09949326	265677
DRCBO 4 C25/0,10/1N-B+	25 A, I∆n = 0.1 A	NEW	2.5	1	09949366	267688
DRCBO 4 C25/0,30/1N-B+	25 A, I∆n = 0.3 A	NEW	2.5	1	09949336	265899
DRCBO 4 C32/0,03/1N-B+	32 A, I∆n = 0.03 A	NEW	2.5	1	09949327	265684
DRCBO 4 C32/0,10/1N-B+	32 A, I∆n = 0.1 A	NEW	2.5	1	09949367	267701
DRCBO 4 C32/0,30/1N-B+	32 A, I∆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
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EAN refers to individual item | All illustrations are non-binding.

	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

6000 ~ ---- WWW **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 20 kHz

characteristic B

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 B06/0,03/3N-B+	6 A, I∆n = 0.03 A	NEW	4.5	1	09 948 301	265400
DRCBO 4 B06/0,10/3N-B+	6 A, I∆n = 0.1 A	NEW	4.5	1	09 948 351	265479
DRCBO 4 B06/0,30/3N-B+	6 A, I∆n = 0.3 A	NEW	4.5	1	09 948 311	265554
DRCBO 4 B10/0,03/3N-B+	10 A, I∆n = 0.03 A	NEW	4.5	1	09 948 302	265417
DRCBO 4 B10/0,10/3N-B+	10 A, I∆n = 0.1 A	NEW	4.5	1	09 948 352	265486
DRCBO 4 B10/0,30/3N-B+	10 A, I∆n = 0.3 A	NEW	4.5	1	09 948 312	265561
DRCBO 4 B13/0,03/3N-B+	13 A, I∆n = 0.03 A	NEW	4.5	1	09 948 303	265424
DRCBO 4 B13/0,10/3N-B+	13 A, I∆n = 0.1 A	NEW	4.5	1	09 948 353	265493
DRCBO 4 B13/0,30/3N-B+	13 A, I∆n = 0.3 A	NEW	4.5	1	09 948 313	265578
DRCBO 4 B16/0,03/3N-B+	16 A, I∆n = 0.03 A	NEW	4.5	1	09 948 304	265431
DRCBO 4 B16/0,10/3N-B+	16 A, I∆n = 0.1 A	NEW	4.5	1	09 948 354	265509
DRCBO 4 B16/0,30/3N-B+	16 A, I∆n = 0.3 A	NEW	4.5	1	09 948 314	265585
DRCBO 4 B20/0,03/3N-B+	20 A, I∆n = 0.03 A	NEW	4.5	1	09 948 305	265448
DRCBO 4 B20/0,10/3N-B+	20 A, I∆n = 0.1 A	NEW	4.5	1	09 948 355	265523
DRCBO 4 B20/0,30/3N-B+	20 A, I∆n = 0.3 A	NEW	4.5	1	09 948 315	265592
DRCBO 4 B25/0,03/3N-B+	25 A, I∆n = 0.03 A	NEW	4.5	1	09 948 306	265455
DRCBO 4 B25/0,10/3N-B+	25 A, I∆n = 0.1 A	NEW	4.5	1	09 948 356	265530
DRCBO 4 B25/0,30/3N-B+	25 A, I∆n = 0.3 A	NEW	4.5	1	09 948 316	265608
DRCBO 4 B32/0,03/3N-B+	32 A, I∆n = 0.03 A	NEW	4.5	1	09 948 307	265462
DRCBO 4 B32/0,10/3N-B+	32 A, I∆n = 0.1 A	NEW	4.5	1	09 948 357	265547
DRCBO 4 B32/0,30/3N-B+	32 A, I∆n = 0.3 A	NEW	4.5	1	09 948 317	265615

characteristic C

			mod. widths	pack. units	Article No.	EAN
DRCBO 4 C06/0,03/3N-B+	6 A, I∆n = 0.03 A	NEW	4.5	1	09 948 321	265912
DRCBO 4 C06/0,10/3N-B+	6 A, I∆n = 0.1 A	NEW	4.5	1	09 948 371	265981
DRCBO 4 C06/0,30/3N-B+	6 A, I∆n = 0.3 A	NEW	4.5	1	09 948 331	266049
DRCBO 4 C10/0,03/3N-B+	10 A, I∆n = 0.03 A	NEW	4.5	1	09 948 322	265929
DRCBO 4 C10/0,10/3N-B+	10 A, I∆n = 0.1 A	NEW	4.5	1	09 948 372	265998
DRCBO 4 C10/0,30/3N-B+	10 A, I∆n = 0.3 A	NEW	4.5	1	09 948 332	266056
DRCBO 4 C13/0,03/3N-B+	13 A, I∆n = 0.03 A	NEW	4.5	1	09 948 323	265936
DRCBO 4 C13/0,10/3N-B+	13 A, I∆n = 0.1 A	NEW	4.5	1	09 948 373	266001
DRCBO 4 C13/0,30/3N-B+	13 A, I∆n = 0.3 A	NEW	4.5	1	09 948 333	266063
DRCBO 4 C16/0,03/3N-B+	16 A, I∆n = 0.03 A	NEW	4.5	1	09 948 324	265943
DRCBO 4 C16/0,10/3N-B+	16 A, I∆n = 0.1 A	NEW	4.5	1	09 948 374	266018
DRCBO 4 C16/0,30/3N-B+	16 A, I∆n = 0.3 A	NEW	4.5	1	09 948 334	266070
DRCBO 4 C20/0,03/3N-B+	20 A, I∆n = 0.03 A	NEW	4.5	1	09 948 325	265950
DRCBO 4 C20/0,10/3N-B+	20 A, I∆n = 0.1 A	NEW	4.5	1	09 948 375	267831
DRCBO 4 C20/0,30/3N-B+	20 A, I∆n = 0.3 A	NEW	4.5	1	09 948 335	266087
DRCBO 4 C25/0,03/3N-B+	25 A, I∆n = 0.03 A	NEW	4.5	1	09 948 326	265967
DRCBO 4 C25/0,10/3N-B+	25 A, I∆n = 0.1 A	NEW	4.5	1	09 948 376	266025
DRCBO 4 C25/0,30/3N-B+	25 A, I∆n = 0.3 A	NEW	4.5	1	09 948 336	266094
DRCBO 4 C32/0,03/3N-B+	32 A, I∆n = 0.03 A	NEW	4.5	1	09 948 327	265974
DRCBO 4 C32/0,10/3N-B+	32 A, I∆n = 0.1 A	NEW	4.5	1	09 948 377	266032
DRCBO 4 C32/0,30/3N-B+	32 A, I∆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 2
on Page: **55**

residual current operated circuit-breakers with integral overcurrent protection (RCBO)
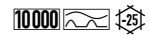
			mod. widths	pack. units	Article No.	EAN (4014712...)

Type A

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

sensitive to pulsating and alternating currents type A

characteristic C

		mod. widths	pack. units	Article No.	EAN
RCBO 1 C06/0,03/1-A	6 A, I∆n = 0.03 A	1	1	09 915 811	209916
RCBO 1 C10/0,03/1-A	10 A, I∆n = 0.03 A	1	1	09 915 812	209923
RCBO 1 C13/0,03/1-A	13 A, I∆n = 0.03 A	1	1	09 915 813	209930
RCBO 1 C16/0,03/1-A	16 A, I∆n = 0.03 A	1	1	09 915 814	209947
RCBO 1 C20/0,03/1-A	20 A, I∆n = 0.03 A	1	1	09 915 815	209954
RCBO 1 C25/0,03/1-A	25 A, I∆n = 0.03 A	1	1	09 915 816	209961
RCBO 1 C32/0,03/1-A	32 A, I∆n = 0.03 A	1	1	09 915 817	209978
RCBO 1 C40/0,03/1-A	40 A, I∆n = 0.03 A	1	1	09 915 818	209985
RCBO 1 C45/0,03/1-A	45 A, I∆n = 0.03 A	1	1	09 915 819	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

		mod. widths	pack. units	Article No.	EAN
RCBO 1 B06/0,03/1-AC	6 A, I∆n = 0.03 A	1	1	09 915 821	210004
RCBO 1 B10/0,03/1-AC	10 A, I∆n = 0.03 A	1	1	09 915 822	210011
RCBO 1 B13/0,03/1-AC	13 A, I∆n = 0.03 A	1	1	09 915 823	210028
RCBO 1 B16/0,03/1-AC	16 A, I∆n = 0.03 A	1	1	09 915 824	210035
RCBO 1 B20/0,03/1-AC	20 A, I∆n = 0.03 A	1	1	09 915 825	210042
RCBO 1 B25/0,03/1-AC	25 A, I∆n = 0.03 A	1	1	09 915 826	210059
RCBO 1 B32/0,03/1-AC	32 A, I∆n = 0.03 A	1	1	09 915 827	210066
RCBO 1 B40/0,03/1-AC	40 A, I∆n = 0.03 A	1	1	09 915 828	210073
RCBO 1 B45/0,03/1-AC	45 A, I∆n = 0.03 A	1	1	09 915 829	210080

characteristic C

		mod. widths	pack. units	Article No.	EAN
RCBO 1 C06/0,03/1-AC	6 A, I∆n = 0.03 A	1	1	09 915 831	210097
RCBO 1 C10/0,03/1-AC	10 A, I∆n = 0.03 A	1	1	09 915 832	210103
RCBO 1 C13/0,03/1-AC	13 A, I∆n = 0.03 A	1	1	09 915 833	210110
RCBO 1 C16/0,03/1-AC	16 A, I∆n = 0.03 A	1	1	09 915 834	210127
RCBO 1 C20/0,03/1-AC	20 A, I∆n = 0.03 A	1	1	09 915 835	210134
RCBO 1 C25/0,03/1-AC	25 A, I∆n = 0.03 A	1	1	09 915 836	210141
RCBO 1 C32/0,03/1-AC	32 A, I∆n = 0.03 A	1	1	09 915 837	210158
RCBO 1 C40/0,03/1-AC	40 A, I∆n = 0.03 A	1	1	09 915 838	210165
RCBO 1 C45/0,03/1-AC	45 A, I∆n = 0.03 A	1	1	09 915 839	210172

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

			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

6000 ⌇ {25}

sensitive to pulsating and alternating currents type A

characteristic B

RCBO 2 B06/0,03/2-A	6 A, IΔn = 0.03 A		2	1	09 957 301	209046
RCBO 2 B10/0,03/2-A	10 A, IΔn = 0.03 A		2	1	09 957 302	209060
RCBO 2 B13/0,03/2-A	13 A, IΔn = 0.03 A		2	1	09 957 303	209084
RCBO 2 B15/0,03/2-A	15 A, IΔn = 0.03 A		2	1	09 957 300	209107
RCBO 2 B16/0,03/2-A	16 A, IΔn = 0.03 A		2	1	09 957 304	209121
RCBO 2 B20/0,03/2-A	20 A, IΔn = 0.03 A		2	1	09 957 305	209145
RCBO 2 B25/0,03/2-A	25 A, IΔn = 0.03 A		2	1	09 957 306	209169
RCBO 2 B32/0,03/2-A	32 A, IΔn = 0.03 A		2	1	09 957 307	209183

characteristic C

RCBO 2 C06/0,03/2-A	6 A, IΔn = 0.03 A		2	1	09 957 321	209206
RCBO 2 C10/0,03/2-A	10 A, IΔn = 0.03 A		2	1	09 957 322	209220
RCBO 2 C13/0,03/2-A	13 A, IΔn = 0.03 A		2	1	09 957 323	209244
RCBO 2 C15/0,03/2-A	15 A, IΔn = 0.03 A		2	1	09 957 320	209268
RCBO 2 C16/0,03/2-A	16 A, IΔn = 0.03 A		2	1	09 957 324	209282
RCBO 2 C20/0,03/2-A	20 A, IΔn = 0.03 A		2	1	09 957 325	209305
RCBO 2 C25/0,03/2-A	25 A, IΔn = 0.03 A		2	1	09 957 326	209329
RCBO 2 C32/0,03/2-A	32 A, IΔn = 0.03 A		2	1	09 957 327	209343

Accessories

wiring components RCCB/MCB busbars

Busbars for residual current operated and miniature circuit-breakers, Eurovario system as per EN 60664-1

EV-S G 2.12.120	(L1, L2/N) x 6	12	1	09 920 115	021563
EV-S G 3.1+N.12.120	(L1+N, L2+N, L3+N) x 2	12	1	09 920 182	045958
EV-S G 4.12.120	(L1, L2, L3, N) x 3	12	1	09 920 123	021648

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

Accessories

wiring components DRCBO 4-busbars

For RCCB/MCB combinations DRCBO 4 type B/B+

BG2.5.10	fork, 10 mm², 5 x (L, N)	12	1	09 920 151	269712
BG4.2.10	fork, 10 mm², L1, L2, L3, N, L1, L2, L3, N	8.5	1	09 920 157	269774
BG4.3.10	fork, 10 mm², 3 x (L1, L2, L3, N)	13	1	09 920 155	269750
BG4.5.10	fork, 10 mm², L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09 920 153	269736

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	09 200 031	242890
DRCBO 4 Hi 1	1 CO, black handle, for FIB/FIC Type A (3+N) and Type B as well as DRCBO 4	0.5	1	09 200 030	221437
DRCBO 4 Hi 2	1 CO, Blue knob, for DRCBO 4	0.5	1	09 200 032	273740
Hi 11	1 NC/1 NO, for DRCBO 3, ELS 3	0.5	1	09 950 012	130081

Accessories

restart locks RH-SPE

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

RH-SPE	for RH/AFDD/DRCBO 3/ELS 3		1	09 981 115	252677

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	09 950 011	078529

circuit-breakers with residual current trip (CBR)

Type A

circuit-breakers with residual current trip DFL 8 A

KV G

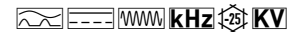*pulsating AC/DC-sensitive type A, for industrial applications and increased rated currents*

		mod. widths	Article No.	EAN (4014712...)
DFL 8 100-4/0,03-A	100 A, I∆n = 0.03 A	1	09 164 781	145481
DFL 8 125-4/0,03-A	125 A, I∆n = 0.03 A	1	09 174 781	145528
DFL 8 160-4/0,03-A	160 A, I∆n = 0.03 A	1	09 184 781	215849
DFL 8 200-4/0,03-A	200 A, I∆n = 0.03 A	1	09 204 781	145603
DFL 8 250-4/0,03-A	250 A, I∆n = 0.03 A	1	09 214 781	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n

Accessories: housing N-7
on Page: **57**

Type A

circuit-breakers with residual current trip DFL 8 A X

S KV

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

		mod. widths	Article No.	EAN (4014712...)
DFL 8 100-4/X-A	100 A	1	09 169 781	145498
DFL 8 125-4/X-A	125 A	1	09 179 781	145535
DFL 8 160-4/X-A	160 A	1	09 189 781	145573
DFL 8 200-4/X-A	200 A	1	09 209 781	145610
DFL 8 250-4/X-A	250 A	1	09 219 781	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n

Accessories: housing N-7
on Page: **57**

Type B

circuit-breakers with residual current trip DFL 8 B NK

kHz KV

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

		mod. widths	Article No.	EAN (4014712...)
DFL 8 100-4/0,03-B NK	100 A, I∆n = 0.03 A	1	09 164 783	153646
DFL 8 125-4/0,03-B NK	125 A, I∆n = 0.03 A	1	09 174 783	153653
DFL 8 160-4/0,03-B NK	160 A, I∆n = 0.03 A	1	09 184 783	153660
DFL 8 200-4/0,03-B NK	200 A, I∆n = 0.03 A	1	09 204 783	153677
DFL 8 250-4/0,03-B NK	250 A, I∆n = 0.03 A	1	09 214 783	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n

*Accessories:* housing N-7
on Page: **57**

Type B

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

kHz S KV

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

		mod. widths	Article No.	EAN (4014712...)
DFL 8 100-4/X-B NK	100 A	1	09 169 783	153592
DFL 8 125-4/X-B NK	125 A	1	09 179 783	153608
DFL 8 160-4/X-B NK	160 A	1	09 189 783	153615
DFL 8 200-4/X-B NK	200 A	1	09 209 783	153622
DFL 8 250-4/X-B NK	250 A	1	09 219 783	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n

Accessories: housing N-7
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EAN refers to individual item | All illustrations are non-binding.

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

Doepke

Type B — circuit–breakers with residual current trip DFL 8 B SK

AC/DC-sensitive type B, increased surge current strength
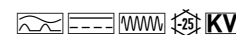
		mod. widths	pack. units	Article No.	EAN (4014712...)
DFL 8 100-4/0,03-B SK	100 A, IΔn = 0.03 A		1	09 164 784	153691
DFL 8 125-4/0,03-B SK	125 A, IΔn = 0.03 A		1	09 174 784	153707
DFL 8 160-4/0,03-B SK	160 A, IΔn = 0.03 A		1	09 184 784	153714
DFL 8 200-4/0,03-B SK	200 A, IΔn = 0.03 A		1	09 204 784	153721
DFL 8 250-4/0,03-B SK	250 A, IΔn = 0.03 A		1	09 214 784	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n

Accessories: housing N-7
on Page: **57**

Type B — circuit–breakers with residual current trip DFL 8 B SK V

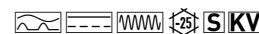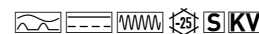*AC/DC-sensitive type B, increased surge current strength*
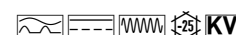
		mod. widths	pack. units	Article No.	EAN (4014712...)
DFL 8 160-4/0,03-B SK V500	160 A		1	09 184 774	217195
DFL 8 200-4/0,03-B SK V500	200 A		1	09 204 774	237865

0-150 kHz, $I_{\Delta n}$ 0,03 A, non-response lag time t_v adjustable 60/150/300/450 ms, adjustment range for overload trip 0.8 - 1 × I_n, adjustment range for short-circuit trip 6 - 10 × I_n, function range for test device 50 V - 550 V

Accessories: housing N-7
on Page: **57**

Type B — circuit–breakers with residual current trip DFL 8 B SK X

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
DFL 8 100-4/X-B SK	100 A		1	09 169 784	153547
DFL 8 125-4/X-B SK	125 A		1	09 179 784	153554
DFL 8 160-4/X-B SK	160 A		1	09 189 784	153561
DFL 8 200-4/X-B SK	200 A		1	09 209 784	153578
DFL 8 250-4/X-B SK	250 A		1	09 219 784	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n, function range for test device 50 V - 440 V

Accessories: housing N-7
on Page: **57**

Type B — circuit–breakers with residual current trip DFL 8 B SK X V

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
DFL 8 200-4/X-B SK V500	200 A		1	09 209 774	236783
DFL 8 250-4/X-B SK V500	250 A		1	09 219 774	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 × I_n, adjustment range for short-circuit trip 6-10 × I_n, function range for test device 50 V - 550 V

Accessories: housing N-7
on Page: **57**

Accessories — housing N-7

For circuit-breakers with residual current trip DFL 8

		mod. widths	pack. units	Article No.	EAN (4014712...)
N-7-Gehäuse			1	09 200 028	075412

IP54, lockable, bracket diameter max. 6 mm

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

residual current monitors (RCM), accessories (RCM)

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

Type A

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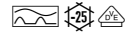
uses 10-way LED display to show the current residual current, external connection of transformer from DCT A series

DRCM 1 A	adjustable	4	1	09340250	199538

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: 58

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, IΔn = 0.3 A		1	09342621	237490
DCTR A 035/0,30-I	35 mm, IΔn = 0.3 A		1	09342631	220416
DCTR A 070/0,30-I	70 mm, IΔn = 0.3 A		1	09342641	220430
DCTR A 105/0,30-I	105 mm, IΔn = 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
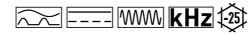
detects the current differential current (residual current) and reports the offset to the rated residual current by 4-20 mA signal

DCTR B NK 020/0,30-I	20 mm, IΔn = 0.3 A		1	09344622	238343
DCTR B NK 035/0,30-I	35 mm, IΔn = 0.3 A		1	09344632	220454
DCTR B NK 070/0,30-I	70 mm, IΔn = 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 type B–X Hz, PoE

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

DCTR B-X Hz 035-PoE	35 mm, IΔn = up to 30 A	**NEW**	1	09344937	249981
DCTR B-X Hz 070-PoE	70 mm, IΔn = 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: 58

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

Accessories

interfaces e.Guard-Gateway

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

e.Guard-Gateway		**NEW**	1	09344989	272958

Operating voltage: 24 V, Ethernet interface, operating state display via 3 LEDs

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

residual current transformer, miniature circuit-breakers (MCB)

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

Type A, AC — residual current transformer DCT A

for combination with a DMRCD 1A/DRCM 1A

		mod. widths	pack. units	Article No.	EAN (4014712...)
DCT A-020	20 mm		1	09 340 320	241022
DCT A-035	35 mm		1	09 340 321	241039
DCT A-070	70 mm		1	09 340 322	241046
DCT A-105	105 mm		1	09 340 323	241053

pulsating AC/DC-sensitive type A

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

for commercial sector applications, 6 kA

B-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B6-1	6 A	1	1/12	09 914 019	161726
DLS 6h B10-1	10 A	1	1/12	09 914 021	161740
DLS 6h B13-1	13 A	1	1/12	09 914 022	161757
DLS 6h B16-1	16 A	1	1/12	09 914 023	161764
DLS 6h B20-1	20 A	1	1/12	09 914 024	161771
DLS 6h B25-1	25 A	1	1/12	09 914 025	161788
DLS 6h B32-1	32 A	1	1/12	09 914 026	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: **99, 100**

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

for commercial sector applications, 6 kA

B-characteristic

1-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B6-1+N	6 A	2	1/6	09 914 049	161948
DLS 6h B10-1+N	10 A	2	1/6	09 914 051	161962
DLS 6h B13-1+N	13 A	2	1/6	09 914 052	161979
DLS 6h B16-1+N	16 A	2	1/6	09 914 053	161986
DLS 6h B20-1+N	20 A	2	1/6	09 914 054	161993
DLS 6h B25-1+N	25 A	2	1/6	09 914 055	210271
DLS 6h B32-1+N	32 A	2	1/6	09 914 056	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: **99, 100**

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

for commercial sector applications, 6 kA

B-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B6-2	6 A	2	1/6	09 914 079	162167
DLS 6h B10-2	10 A	2	1/6	09 914 081	162181
DLS 6h B13-2	13 A	2	1/6	09 914 082	162198
DLS 6h B16-2	16 A	2	1/6	09 914 083	162204
DLS 6h B20-2	20 A	2	1/6	09 914 084	162211
DLS 6h B25-2	25 A	2	1/6	09 914 085	162228
DLS 6h B32-2	32 A	2	1/6	09 914 086	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: **99, 100**

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

miniature circuit-breakers (MCB)

6 kA

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

for commercial sector applications, 6 kA

B-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B6-3	6 A	3	1/4	09 914 109	162389
DLS 6h B10-3	10 A	3	1/4	09 914 111	162402
DLS 6h B13-3	13 A	3	1/4	09 914 112	162419
DLS 6h B16-3	16 A	3	1/4	09 914 113	162426
DLS 6h B20-3	20 A	3	1/4	09 914 114	162433
DLS 6h B25-3	25 A	3	1/4	09 914 115	162440
DLS 6h B32-3	32 A	3	1/4	09 914 116	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: **99, 100**

6 kA

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

for commercial sector applications, 6 kA

B-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B6-3+N	6 A	4	1/3	09 914 139	210295
DLS 6h B10-3+N	10 A	4	1/3	09 914 141	162624
DLS 6h B13-3+N	13 A	4	1/3	09 914 142	162631
DLS 6h B16-3+N	16 A	4	1/3	09 914 143	162648
DLS 6h B20-3+N	20 A	4	1/3	09 914 144	162655
DLS 6h B25-3+N	25 A	4	1/3	09 914 145	162662
DLS 6h B32-3+N	32 A	4	1/3	09 914 146	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: **99, 100**

6 kA

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

for commercial sector applications, 6 kA

B-characteristic

4-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h B10-4	10 A	4	1/3	09 914 171	162846
DLS 6h B16-4	16 A	4	1/3	09 914 173	162860
DLS 6h B20-4	20 A	4	1/3	09 914 174	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: **99, 100**

6 kA

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

for commercial sector applications, 6 kA

C-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6h C6-1	6 A	1	1/12	09 914 199	163041
DLS 6h C10-1	10 A	1	1/12	09 914 201	163065
DLS 6h C13-1	13 A	1	1/12	09 914 202	163072
DLS 6h C16-1	16 A	1	1/12	09 914 203	163089
DLS 6h C20-1	20 A	1	1/12	09 914 204	163096
DLS 6h C25-1	25 A	1	1/12	09 914 205	163102
DLS 6h C32-1	32 A	1	1/12	09 914 206	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
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EAN refers to individual item | All illustrations are non-binding.

Doepke

miniature circuit-breakers (MCB)

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

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

for commercial sector applications, 6 kA

6 kA

C-characteristic

1-pole+N

DLS 6h C6-1+N	6 A	2	1/6	09 914 229	163263
DLS 6h C10-1+N	10 A	2	1/6	09 914 231	163287
DLS 6h C13-1+N	13 A	2	1/6	09 914 232	163294
DLS 6h C16-1+N	16 A	2	1/6	09 914 233	163300
DLS 6h C20-1+N	20 A	2	1/6	09 914 234	163317
DLS 6h C25-1+N	25 A	2	1/6	09 914 235	163324
DLS 6h C32-1+N	32 A	2	1/6	09 914 236	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: **99, 100**

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

for commercial sector applications, 6 kA

6 kA

C-characteristic

2-pole

DLS 6h C6-2	6 A	2	1/6	09 914 259	163485
DLS 6h C10-2	10 A	2	1/6	09 914 261	163508
DLS 6h C13-2	13 A	2	1/6	09 914 262	210349
DLS 6h C16-2	16 A	2	1/6	09 914 263	163522
DLS 6h C20-2	20 A	2	1/6	09 914 264	163539
DLS 6h C25-2	25 A	2	1/6	09 914 265	163546
DLS 6h C32-2	32 A	2	1/6	09 914 266	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: **99, 100**

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

for commercial sector applications, 6 kA

6 kA

C-characteristic

3-pole

DLS 6h C6-3	6 A	3	1/4	09 914 289	163706
DLS 6h C10-3	10 A	3	1/4	09 914 291	163720
DLS 6h C13-3	13 A	3	1/4	09 914 292	163737
DLS 6h C16-3	16 A	3	1/4	09 914 293	163744
DLS 6h C20-3	20 A	3	1/4	09 914 294	163751
DLS 6h C25-3	25 A	3	1/4	09 914 295	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

6 kA

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

6000 {-25}

for commercial sector applications, 6 kA

C-characteristic

3-pole+N					
DLS 6h C6-3+N	6 A	4	1/3	09 914 319	163928
DLS 6h C10-3+N	10 A	4	1/3	09 914 321	163942
DLS 6h C13-3+N	13 A	4	1/3	09 914 322	163959
DLS 6h C16-3+N	16 A	4	1/3	09 914 323	163966
DLS 6h C20-3+N	20 A	4	1/3	09 914 324	163973
DLS 6h C25-3+N	25 A	4	1/3	09 914 325	163980
DLS 6h C32-3+N	32 A	4	1/3	09 914 326	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: **99, 100***

6 kA

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

6000 {-25}

for commercial sector applications, 6 kA

C-characteristic

4-pole					
DLS 6h C16-4	16 A	4	1/3	09 914 353	164185
DLS 6h C20-4	20 A	4	1/3	09 914 354	164192
DLS 6h C25-4	25 A	4	1/3	09 914 355	164208
DLS 6h C32-4	32 A	4	1/3	09 914 356	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: **99, 100***

6 kA

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

6000 {-25}

for DC circuits, 6 kA

B-characteristic

1-pole					
DLS 6hdc B2-1	2 A	1	1/12	09 912 013	959095

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: **99, 100***

6 kA

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

6000 {-25}

for DC circuits, 6 kA

B-characteristic

2-pole					
DLS 6hdc B2-2	2 A	2	1/6	09 912 073	959750
DLS 6hdc B4-2	4 A	2	1/6	09 912 077	959873
DLS 6hdc B6-2	6 A	2	1/6	09 912 079	959934
DLS 6hdc B10-2	10 A	2	1/6	09 912 081	959996
DLS 6hdc B16-2	16 A	2	1/6	09 912 083	960053
DLS 6hdc B20-2	20 A	2	1/6	09 912 084	960084
DLS 6hdc B25-2	25 A	2	1/6	09 912 085	960114
DLS 6hdc B32-2	32 A	2	1/6	09 912 086	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: **99, 100***

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

miniature circuit-breakers (MCB)

Doepke

		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

		mod. widths	pack. units	Article No.	EAN
DLS 6hdc C2-1	2 A	1	1/12	09 912 193	960411

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: **99, 100**

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

6000 {25}

for DC circuits, 6 kA

C-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6hdc C2-2	2 A	2	1/6	09 912 253	961074
DLS 6hdc C4-2	4 A	2	1/6	09 912 257	961197
DLS 6hdc C6-2	6 A	2	1/6	09 912 259	961258
DLS 6hdc C10-2	10 A	2	1/6	09 912 261	961319
DLS 6hdc C16-2	16 A	2	1/6	09 912 263	961371
DLS 6hdc C20-2	20 A	2	1/6	09 912 264	961401
DLS 6hdc C25-2	25 A	2	1/6	09 912 265	961432
DLS 6hdc C32-2	32 A	2	1/6	09 912 266	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: **99, 100**

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

		mod. widths	pack. units	Article No.	EAN
DLS 6hsl B6-1	6 A	1	1/12	09 917 019	189447
DLS 6hsl B10-1	10 A	1	1/12	09 917 021	189461
DLS 6hsl B13-1	13 A	1	1/12	09 917 022	189478
DLS 6hsl B16-1	16 A	1	1/12	09 917 023	189485
DLS 6hsl B20-1	20 A	1	1/12	09 917 024	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: **99, 100**

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

		mod. widths	pack. units	Article No.	EAN
DLS 6hsl B6-3	6 A	1	1/4	09 917 109	190108
DLS 6hsl B10-3	10 A	1	1/4	09 917 111	190122
DLS 6hsl B13-3	13 A	1	1/4	09 917 112	190139
DLS 6hsl B16-3	16 A	1	1/4	09 917 113	190146
DLS 6hsl B20-3	20 A	1	1/4	09 917 114	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: **99, 100**

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

miniature circuit-breakers (MCB)

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

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

for commercial sector applications, screw-less, 6 kA

C-characteristic

1-pole

DLS 6hsl C6-1	6 A	1	1/12	09 917 199	190764
DLS 6hsl C10-1	10 A	1	1/12	09 917 201	190788
DLS 6hsl C13-1	13 A	1	1/12	09 917 202	190795
DLS 6hsl C16-1	16 A	1	1/12	09 917 203	190801
DLS 6hsl C20-1	20 A	1	1/12	09 917 204	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: **99, 100**

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

for commercial sector applications, screw-less, 6 kA

C-characteristic

3-pole

DLS 6hsl C6-3	6 A	1	1/4	09 917 289	191426
DLS 6hsl C10-3	10 A	1	1/4	09 917 291	191440
DLS 6hsl C13-3	13 A	1	1/4	09 917 292	191457
DLS 6hsl C16-3	16 A	1	1/4	09 917 293	191464
DLS 6hsl C20-3	20 A	1	1/4	09 917 294	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: **99, 100**

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

for industrial facilities, 10 kA

B-characteristic

1-pole

DLS 6i B1-1	1 A	1	1/12	09 916 011	169562
DLS 6i B1,6-1	1.6 A	1	1/12	09 916 012	169579
DLS 6i B2-1	2 A	1	1/12	09 916 013	169586
DLS 6i B2,5-1	2.5 A	1	1/12	09 916 014	169593
DLS 6i B3-1	3 A	1	1/12	09 916 015	169609
DLS 6i B3,5-1	3.5 A	1	1/12	09 916 016	169616
DLS 6i B4-1	4 A	1	1/12	09 916 017	169623
DLS 6i B5-1	5 A	1	1/12	09 916 018	169630
DLS 6i B6-1	6 A	1	1/12	09 916 019	169647
DLS 6i B8-1	8 A	1	1/12	09 916 020	169654
DLS 6i B10-1	10 A	1	1/12	09 916 021	169661
DLS 6i B13-1	13 A	1	1/12	09 916 022	169678
DLS 6i B16-1	16 A	1	1/12	09 916 023	169685
DLS 6i B20-1	20 A	1	1/12	09 916 024	169692
DLS 6i B25-1	25 A	1	1/12	09 916 025	169708
DLS 6i B32-1	32 A	1	1/12	09 916 026	169715
DLS 6i B40-1	40 A	1	1/12	09 916 027	169722
DLS 6i B50-1	50 A	1	1/12	09 916 028	169739
DLS 6i B63-1	63 A	1	1/12	09 916 029	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: **99, 100**

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

miniature circuit-breakers (MCB)

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

for industrial facilities, 10 kA

10 kA

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
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
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miniature circuit-breakers DLS 6i, B-characteristic, 2-pole

for industrial facilities, 10 kA

10 kA

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

		mod. widths	pack. units	Article No.	EAN (4014712…)

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

for industrial facilities, 10 kA

B-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i B1-3	1 A	3	1/4	09 916 101	170223
DLS 6i B1,6-3	1.6 A	3	1/4	09 916 102	210370
DLS 6i B2-3	2 A	3	1/4	09 916 103	170247
DLS 6i B2,5-3	2.5 A	3	1/4	09 916 104	170254
DLS 6i B3-3	3 A	3	1/4	09 916 105	170261
DLS 6i B3,5-3	3.5 A	3	1/4	09 916 106	170278
DLS 6i B4-3	4 A	3	1/4	09 916 107	170285
DLS 6i B5-3	5 A	3	1/4	09 916 108	170292
DLS 6i B6-3	6 A	3	1/4	09 916 109	170308
DLS 6i B8-3	8 A	3	1/4	09 916 110	170315
DLS 6i B10-3	10 A	3	1/4	09 916 111	170322
DLS 6i B13-3	13 A	3	1/4	09 916 112	170339
DLS 6i B16-3	16 A	3	1/4	09 916 113	170346
DLS 6i B20-3	20 A	3	1/4	09 916 114	170353
DLS 6i B25-3	25 A	3	1/4	09 916 115	170360
DLS 6i B32-3	32 A	3	1/4	09 916 116	170377
DLS 6i B40-3	40 A	3	1/4	09 916 117	170384
DLS 6i B50-3	50 A	3	1/4	09 916 118	170391
DLS 6i B63-3	63 A	3	1/4	09 916 119	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
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miniature circuit-breakers DLS 6i, B-characteristic, 3-pole+N

for industrial facilities, 10 kA

B-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN
DLS 6i B1-3+N	1 A	4	1/3	09 916 131	170445
DLS 6i B1,6-3+N	1.6 A	4	1/3	09 916 132	170452
DLS 6i B2-3+N	2 A	4	1/3	09 916 133	170469
DLS 6i B2,5-3+N	2.5 A	4	1/3	09 916 134	170476
DLS 6i B3-3+N	3 A	4	1/3	09 916 135	170483
DLS 6i B3,5-3+N	3.5 A	4	1/3	09 916 136	170490
DLS 6i B4-3+N	4 A	4	1/3	09 916 137	170506
DLS 6i B5-3+N	5 A	4	1/3	09 916 138	170513
DLS 6i B6-3+N	6 A	4	1/3	09 916 139	170520
DLS 6i B8-3+N	8 A	4	1/3	09 916 140	210387
DLS 6i B10-3+N	10 A	4	1/3	09 916 141	170544
DLS 6i B13-3+N	13 A	4	1/3	09 916 142	170551
DLS 6i B16-3+N	16 A	4	1/3	09 916 143	170568
DLS 6i B20-3+N	20 A	4	1/3	09 916 144	170575
DLS 6i B25-3+N	25 A	4	1/3	09 916 145	170582
DLS 6i B32-3+N	32 A	4	1/3	09 916 146	170599
DLS 6i B40-3+N	40 A	4	1/3	09 916 147	170605
DLS 6i B50-3+N	50 A	4	1/3	09 916 148	170612
DLS 6i B63-3+N	63 A	4	1/3	09 916 149	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

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

for industrial facilities, 10 kA

10 kA

B-characteristic

4-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i B1-4	1 A	4	1/3	09 916 161	170667
DLS 6i B1,6-4	1.6 A	4	1/3	09 916 162	170674
DLS 6i B2-4	2 A	4	1/3	09 916 163	170681
DLS 6i B2,5-4	2.5 A	4	1/3	09 916 164	170698
DLS 6i B3-4	3 A	4	1/3	09 916 165	170704
DLS 6i B3,5-4	3.5 A	4	1/3	09 916 166	170711
DLS 6i B4-4	4 A	4	1/3	09 916 167	170728
DLS 6i B5-4	5 A	4	1/3	09 916 168	170735
DLS 6i B6-4	6 A	4	1/3	09 916 169	170742
DLS 6i B8-4	8 A	4	1/3	09 916 170	170759
DLS 6i B10-4	10 A	4	1/3	09 916 171	170766
DLS 6i B13-4	13 A	4	1/3	09 916 172	170773
DLS 6i B16-4	16 A	4	1/3	09 916 173	170780
DLS 6i B20-4	20 A	4	1/3	09 916 174	170797
DLS 6i B25-4	25 A	4	1/3	09 916 175	170803
DLS 6i B32-4	32 A	4	1/3	09 916 176	170810
DLS 6i B40-4	40 A	4	1/3	09 916 177	170827
DLS 6i B50-4	50 A	4	1/3	09 916 178	170834
DLS 6i B63-4	63 A	4	1/3	09 916 179	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
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miniature circuit-breakers (MCB)

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

10 kA

for industrial facilities, 10 kA

C-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i C0,3-1	0.3 A	1	1/12	09 916 188	170858
DLS 6i C0,5-1	0.5 A	1	1/12	09 916 189	170865
DLS 6i C0,8-1	0.8 A	1	1/12	09 916 190	170872
DLS 6i C1-1	1 A	1	1/12	09 916 191	170889
DLS 6i C1,6-1	1.6 A	1	1/12	09 916 192	170896
DLS 6i C2-1	2 A	1	1/12	09 916 193	170902
DLS 6i C2,5-1	2.5 A	1	1/12	09 916 194	170919
DLS 6i C3-1	3 A	1	1/12	09 916 195	170926
DLS 6i C3,5-1	3.5 A	1	1/12	09 916 196	170933
DLS 6i C4-1	4 A	1	1/12	09 916 197	170940
DLS 6i C5-1	5 A	1	1/12	09 916 198	170957
DLS 6i C6-1	6 A	1	1/12	09 916 199	170964
DLS 6i C8-1	8 A	1	1/12	09 916 200	170971
DLS 6i C10-1	10 A	1	1/12	09 916 201	170988
DLS 6i C13-1	13 A	1	1/12	09 916 202	170995
DLS 6i C16-1	16 A	1	1/12	09 916 203	171008
DLS 6i C20-1	20 A	1	1/12	09 916 204	171015
DLS 6i C25-1	25 A	1	1/12	09 916 205	171022
DLS 6i C32-1	32 A	1	1/12	09 916 206	171039
DLS 6i C40-1	40 A	1	1/12	09 916 207	171046
DLS 6i C50-1	50 A	1	1/12	09 916 208	171053
DLS 6i C63-1	63 A	1	1/12	09 916 209	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
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miniature circuit-breakers (MCB)

10 kA

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

for industrial facilities, 10 kA

C-characteristic

1-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i C0,3-1+N	0.3 A	2	1/6	09 916 218	171077
DLS 6i C0,5-1+N	0.5 A	2	1/6	09 916 219	171084
DLS 6i C0,8-1+N	0.8 A	2	1/6	09 916 220	171091
DLS 6i C1-1+N	1 A	2	1/6	09 916 221	171107
DLS 6i C1,6-1+N	1.6 A	2	1/6	09 916 222	171114
DLS 6i C2-1+N	2 A	2	1/6	09 916 223	247888
DLS 6i C2,5-1+N	2.5 A	2	1/6	09 916 224	171138
DLS 6i C3-1+N	3 A	2	1/6	09 916 225	171145
DLS 6i C3,5-1+N	3.5 A	2	1/6	09 916 226	171152
DLS 6i C4-1+N	4 A	2	1/6	09 916 227	171169
DLS 6i C5-1+N	5 A	2	1/6	09 916 228	171176
DLS 6i C6-1+N	6 A	2	1/6	09 916 229	171183
DLS 6i C8-1+N	8 A	2	1/6	09 916 230	171190
DLS 6i C10-1+N	10 A	2	1/6	09 916 231	171206
DLS 6i C13-1+N	13 A	2	1/6	09 916 232	171213
DLS 6i C16-1+N	16 A	2	1/6	09 916 233	171220
DLS 6i C20-1+N	20 A	2	1/6	09 916 234	171237
DLS 6i C25-1+N	25 A	2	1/6	09 916 235	171244
DLS 6i C32-1+N	32 A	2	1/6	09 916 236	171251
DLS 6i C40-1+N	40 A	2	1/6	09 916 237	171268
DLS 6i C50-1+N	50 A	2	1/6	09 916 238	171275
DLS 6i C63-1+N	63 A	2	1/6	09 916 239	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
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miniature circuit–breakers (MCB)

miniature circuit-breakers DLS 6i, C–characteristic, 2–pole

for industrial facilities, 10 kA

C-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i C0,3-2	0.3 A	2	1/6	09 916 248	171299
DLS 6i C0,5-2	0.5 A	2	1/6	09 916 249	171305
DLS 6i C0,8-2	0.8 A	2	1/6	09 916 250	171312
DLS 6i C1-2	1 A	2	1/6	09 916 251	171329
DLS 6i C1,6-2	1.6 A	2	1/6	09 916 252	171336
DLS 6i C2-2	2 A	2	1/6	09 916 253	171343
DLS 6i C2,5-2	2.5 A	2	1/6	09 916 254	171350
DLS 6i C3-2	3 A	2	1/6	09 916 255	171367
DLS 6i C3,5-2	3.5 A	2	1/6	09 916 256	171374
DLS 6i C4-2	4 A	2	1/6	09 916 257	171381
DLS 6i C5-2	5 A	2	1/6	09 916 258	171398
DLS 6i C6-2	6 A	2	1/6	09 916 259	171404
DLS 6i C8-2	8 A	2	1/6	09 916 260	171411
DLS 6i C10-2	10 A	2	1/6	09 916 261	171428
DLS 6i C13-2	13 A	2	1/6	09 916 262	171435
DLS 6i C16-2	16 A	2	1/6	09 916 263	171442
DLS 6i C20-2	20 A	2	1/6	09 916 264	171459
DLS 6i C25-2	25 A	2	1/6	09 916 265	171466
DLS 6i C32-2	32 A	2	1/6	09 916 266	171473
DLS 6i C40-2	40 A	2	1/6	09 916 267	171480
DLS 6i C50-2	50 A	2	1/6	09 916 268	171497
DLS 6i C63-2	63 A	2	1/6	09 916 269	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
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miniature circuit–breakers (MCB)

		mod. widths	pack. units	Article No.	EAN (4014712…)

miniature circuit–breakers DLS 6i, C–characteristic, 3–pole

10 kA

for industrial facilities, 10 kA

10 000 □25 △

C-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i C0,3-3	0.3 A	3	1/4	09 916 278	171510
DLS 6i C0,5-3	0.5 A	3	1/4	09 916 279	171527
DLS 6i C0,8-3	0.8 A	3	1/4	09 916 280	171534
DLS 6i C1-3	1 A	3	1/4	09 916 281	171541
DLS 6i C1,6-3	1.6 A	3	1/4	09 916 282	171558
DLS 6i C2-3	2 A	3	1/4	09 916 283	171565
DLS 6i C2,5-3	2.5 A	3	1/4	09 916 284	171572
DLS 6i C3-3	3 A	3	1/4	09 916 285	171589
DLS 6i C3,5-3	3.5 A	3	1/4	09 916 286	171596
DLS 6i C4-3	4 A	3	1/4	09 916 287	171602
DLS 6i C5-3	5 A	3	1/4	09 916 288	171619
DLS 6i C6-3	6 A	3	1/4	09 916 289	171626
DLS 6i C8-3	8 A	3	1/4	09 916 290	171633
DLS 6i C10-3	10 A	3	1/4	09 916 291	171640
DLS 6i C13-3	13 A	3	1/4	09 916 292	171657
DLS 6i C16-3	16 A	3	1/4	09 916 293	171664
DLS 6i C20-3	20 A	3	1/4	09 916 294	171671
DLS 6i C25-3	25 A	3	1/4	09 916 295	171688
DLS 6i C32-3	32 A	3	1/4	09 916 296	171695
DLS 6i C40-3	40 A	3	1/4	09 916 297	171701
DLS 6i C50-3	50 A	3	1/4	09 916 298	171718
DLS 6i C63-3	63 A	3	1/4	09 916 299	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
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miniature circuit-breakers (MCB)

10 kA miniature circuit-breakers DLS 6i, C-characteristic, 3-pole+N

for industrial facilities, 10 kA

C-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i C0,3-3+N	0.3 A	4	1/3	09 916 308	171732
DLS 6i C0,5-3+N	0.5 A	4	1/3	09 916 309	171749
DLS 6i C0,8-3+N	0.8 A	4	1/3	09 916 310	171756
DLS 6i C1-3+N	1 A	4	1/3	09 916 311	171763
DLS 6i C1,6-3+N	1.6 A	4	1/3	09 916 312	171770
DLS 6i C2-3+N	2 A	4	1/3	09 916 313	171787
DLS 6i C2,5-3+N	2.5 A	4	1/3	09 916 314	171794
DLS 6i C3-3+N	3 A	4	1/3	09 916 315	171800
DLS 6i C3,5-3+N	3.5 A	4	1/3	09 916 316	171817
DLS 6i C4-3+N	4 A	4	1/3	09 916 317	171824
DLS 6i C5-3+N	5 A	4	1/3	09 916 318	171831
DLS 6i C6-3+N	6 A	4	1/3	09 916 319	171848
DLS 6i C8-3+N	8 A	4	1/3	09 916 320	171855
DLS 6i C10-3+N	10 A	4	1/3	09 916 321	171862
DLS 6i C13-3+N	13 A	4	1/3	09 916 322	171879
DLS 6i C16-3+N	16 A	4	1/3	09 916 323	171886
DLS 6i C20-3+N	20 A	4	1/3	09 916 324	171893
DLS 6i C25-3+N	25 A	4	1/3	09 916 325	171909
DLS 6i C32-3+N	32 A	4	1/3	09 916 326	171916
DLS 6i C40-3+N	40 A	4	1/3	09 916 327	171923
DLS 6i C50-3+N	50 A	4	1/3	09 916 328	171930
DLS 6i C63-3+N	63 A	4	1/3	09 916 329	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
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Doepke

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

10 kA

for industrial facilities, 10 kA

C-characteristic

|		mod. widths	pack. units	Article No.	EAN (4014712…)
4-pole					
DLS 6i C0,3-4	0.3 A	4	1/3	09 916 338	171954
DLS 6i C0,5-4	0.5 A	4	1/3	09 916 339	171961
DLS 6i C0,8-4	0.8 A	4	1/3	09 916 340	171978
DLS 6i C1-4	1 A	4	1/3	09 916 341	171985
DLS 6i C1,6-4	1.6 A	4	1/3	09 916 342	171992
DLS 6i C2-4	2 A	4	1/3	09 916 343	172005
DLS 6i C2,5-4	2.5 A	4	1/3	09 916 344	172012
DLS 6i C3-4	3 A	4	1/3	09 916 345	172029
DLS 6i C3,5-4	3.5 A	4	1/3	09 916 346	172036
DLS 6i C4-4	4 A	4	1/3	09 916 347	172043
DLS 6i C5-4	5 A	4	1/3	09 916 348	172050
DLS 6i C6-4	6 A	4	1/3	09 916 349	172067
DLS 6i C8-4	8 A	4	1/3	09 916 350	172074
DLS 6i C10-4	10 A	4	1/3	09 916 351	172081
DLS 6i C13-4	13 A	4	1/3	09 916 352	172098
DLS 6i C16-4	16 A	4	1/3	09 916 353	172104
DLS 6i C20-4	20 A	4	1/3	09 916 354	172111
DLS 6i C25-4	25 A	4	1/3	09 916 355	172128
DLS 6i C32-4	32 A	4	1/3	09 916 356	172135
DLS 6i C40-4	40 A	4	1/3	09 916 357	172142
DLS 6i C50-4	50 A	4	1/3	09 916 358	172159
DLS 6i C63-4	63 A	4	1/3	09 916 359	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
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miniature circuit-breakers (MCB)

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

10 kA

for industrial facilities, 10 kA

D-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D0,3-1	0.3 A	1	1/12	09 916 368	172173
DLS 6i D0,5-1	0.5 A	1	1/12	09 916 369	172180
DLS 6i D0,8-1	0.8 A	1	1/12	09 916 370	172197
DLS 6i D1-1	1 A	1	1/12	09 916 371	172203
DLS 6i D1,6-1	1.6 A	1	1/12	09 916 372	172210
DLS 6i D2-1	2 A	1	1/12	09 916 373	172227
DLS 6i D2,5-1	2.5 A	1	1/12	09 916 374	172234
DLS 6i D3-1	3 A	1	1/12	09 916 375	172241
DLS 6i D3,5-1	3.5 A	1	1/12	09 916 376	172258
DLS 6i D4-1	4 A	1	1/12	09 916 377	172265
DLS 6i D5-1	5 A	1	1/12	09 916 378	172272
DLS 6i D6-1	6 A	1	1/12	09 916 379	172289
DLS 6i D8-1	8 A	1	1/12	09 916 380	172296
DLS 6i D10-1	10 A	1	1/12	09 916 381	172302
DLS 6i D13-1	13 A	1	1/12	09 916 382	172319
DLS 6i D16-1	16 A	1	1/12	09 916 383	172326
DLS 6i D20-1	20 A	1	1/12	09 916 384	172333
DLS 6i D25-1	25 A	1	1/12	09 916 385	172340
DLS 6i D32-1	32 A	1	1/12	09 916 386	172357
DLS 6i D40-1	40 A	1	1/12	09 916 387	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:

miniature circuit-breakers DLS 6i, D characteristic, 1-pole, 6 kA

6 kA

for industrial facilities, 6 kA

D-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D50-1	50 A	1	1/12	09 916 388	172371
DLS 6i D63-1	63 A	1	1/12	09 916 389	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:

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

			mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D0,3-1+N	0.3 A		2	1/6	09 916 398	172395
DLS 6i D0,5-1+N	0.5 A		2	1/6	09 916 399	172401
DLS 6i D0,8-1+N	0.8 A		2	1/6	09 916 400	172418
DLS 6i D1-1+N	1 A		2	1/6	09 916 401	172425
DLS 6i D1,6-1+N	1.6 A		2	1/6	09 916 402	172432
DLS 6i D2-1+N	2 A		2	1/6	09 916 403	172449
DLS 6i D2,5-1+N	2.5 A		2	1/6	09 916 404	172456
DLS 6i D3-1+N	3 A		2	1/6	09 916 405	172463
DLS 6i D3,5-1+N	3.5 A		2	1/6	09 916 406	172470
DLS 6i D4-1+N	4 A		2	1/6	09 916 407	172487
DLS 6i D5-1+N	5 A		2	1/6	09 916 408	172494
DLS 6i D6-1+N	6 A		2	1/6	09 916 409	172500
DLS 6i D8-1+N	8 A		2	1/6	09 916 410	172517
DLS 6i D10-1+N	10 A		2	1/6	09 916 411	172524
DLS 6i D13-1+N	13 A		2	1/6	09 916 412	172531
DLS 6i D16-1+N	16 A		2	1/6	09 916 413	172548
DLS 6i D20-1+N	20 A		2	1/6	09 916 414	172555
DLS 6i D25-1+N	25 A		2	1/6	09 916 415	172562
DLS 6i D32-1+N	32 A		2	1/6	09 916 416	172579
DLS 6i D40-1+N	40 A		2	1/6	09 916 417	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: **99, 100***

6 kA

miniature circuit–breakers DLS 6i, D characteristic, 1–pole+N, 6 kA

for industrial facilities, 6 kA

D-characteristic

1-pole+N

			mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D50-1+N	50 A		2	1/6	09 916 418	172593
DLS 6i D63-1+N	63 A		2	1/6	09 916 419	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: **99, 100***

miniature circuit-breakers (MCB)

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

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

10 kA

for industrial facilities, 10 kA

D-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i D0,3-2	0.3 A	2	1/6	09 916 428	172616
DLS 6i D0,5-2	0.5 A	2	1/6	09 916 429	172623
DLS 6i D0,8-2	0.8 A	2	1/6	09 916 430	172630
DLS 6i D1-2	1 A	2	1/6	09 916 431	172647
DLS 6i D1,6-2	1.6 A	2	1/6	09 916 432	172654
DLS 6i D2-2	2 A	2	1/6	09 916 433	172661
DLS 6i D2,5-2	2.5 A	2	1/6	09 916 434	172678
DLS 6i D3-2	3 A	2	1/6	09 916 435	172685
DLS 6i D3,5-2	3.5 A	2	1/6	09 916 436	172692
DLS 6i D4-2	4 A	2	1/6	09 916 437	172708
DLS 6i D5-2	5 A	2	1/6	09 916 438	172715
DLS 6i D6-2	6 A	2	1/6	09 916 439	172722
DLS 6i D8-2	8 A	2	1/6	09 916 440	172739
DLS 6i D10-2	10 A	2	1/6	09 916 441	172746
DLS 6i D13-2	13 A	2	1/6	09 916 442	172753
DLS 6i D16-2	16 A	2	1/6	09 916 443	172760
DLS 6i D20-2	20 A	2	1/6	09 916 444	172777
DLS 6i D25-2	25 A	2	1/6	09 916 445	172784
DLS 6i D32-2	32 A	2	1/6	09 916 446	172791
DLS 6i D40-2	40 A	2	1/6	09 916 447	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
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miniature circuit-breakers DLS 6i, D characteristic, 2-pole, 6 kA

6 kA

for industrial facilities, 6 kA

D-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i D50-2	50 A	2	1/6	09 916 448	172814
DLS 6i D63-2	63 A	2	1/6	09 916 449	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

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

10 kA

for industrial facilities, 10 kA

D-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN
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: **99, 100**

miniature circuit-breakers DLS 6i, D characteristic, 3-pole, 6 kA

6 kA

for industrial facilities, 6 kA

D-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN
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: **99, 100**

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miniature circuit-breakers (MCB)

10 kA

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

10000 [25]

for industrial facilities, 10 kA

D-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712…)
DLS 6i D0,3-3+N	0.3 A	4	1/3	09 916 488	173057
DLS 6i D0,5-3+N	0.5 A	4	1/3	09 916 489	173064
DLS 6i D0,8-3+N	0.8 A	4	1/3	09 916 490	173071
DLS 6i D1-3+N	1 A	4	1/3	09 916 491	173088
DLS 6i D1,6-3+N	1.6 A	4	1/3	09 916 492	173095
DLS 6i D2-3+N	2 A	4	1/3	09 916 493	173101
DLS 6i D2,5-3+N	2.5 A	4	1/3	09 916 494	173118
DLS 6i D3-3+N	3 A	4	1/3	09 916 495	173125
DLS 6i D3,5-3+N	3.5 A	4	1/3	09 916 496	173132
DLS 6i D4-3+N	4 A	4	1/3	09 916 497	173149
DLS 6i D5-3+N	5 A	4	1/3	09 916 498	173156
DLS 6i D6-3+N	6 A	4	1/3	09 916 499	173163
DLS 6i D8-3+N	8 A	4	1/3	09 916 500	173170
DLS 6i D10-3+N	10 A	4	1/3	09 916 501	173187
DLS 6i D13-3+N	13 A	4	1/3	09 916 502	173194
DLS 6i D16-3+N	16 A	4	1/3	09 916 503	173200
DLS 6i D20-3+N	20 A	4	1/3	09 916 504	173217
DLS 6i D25-3+N	25 A	4	1/3	09 916 505	173224
DLS 6i D32-3+N	32 A	4	1/3	09 916 506	173231
DLS 6i D40-3+N	40 A	4	1/3	09 916 507	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: **99, 100**

6 kA

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

6000 [25]

for industrial facilities, 6 kA
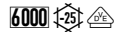
D-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712…)
DLS 6i D50-3+N	50 A	4	1/3	09 916 508	173255
DLS 6i D63-3+N	63 A	4	1/3	09 916 509	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

10 kA

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

10000 25

for industrial facilities, 10 kA

D-characteristic

4-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D0,3-4	0.3 A	4	1/3	09 916 518	173279
DLS 6i D0,5-4	0.5 A	4	1/3	09 916 519	173286
DLS 6i D0,8-4	0.8 A	4	1/3	09 916 520	173293
DLS 6i D1-4	1 A	4	1/3	09 916 521	173309
DLS 6i D1,6-4	1.6 A	4	1/3	09 916 522	173316
DLS 6i D2-4	2 A	4	1/3	09 916 523	173323
DLS 6i D2,5-4	2.5 A	4	1/3	09 916 524	173330
DLS 6i D3-4	3 A	4	1/3	09 916 525	173347
DLS 6i D3,5-4	3.5 A	4	1/3	09 916 526	173354
DLS 6i D4-4	4 A	4	1/3	09 916 527	173361
DLS 6i D5-4	5 A	4	1/3	09 916 528	173378
DLS 6i D6-4	6 A	4	1/3	09 916 529	173385
DLS 6i D8-4	8 A	4	1/3	09 916 530	173392
DLS 6i D10-4	10 A	4	1/3	09 916 531	173408
DLS 6i D13-4	13 A	4	1/3	09 916 532	173415
DLS 6i D16-4	16 A	4	1/3	09 916 533	173422
DLS 6i D20-4	20 A	4	1/3	09 916 534	173439
DLS 6i D25-4	25 A	4	1/3	09 916 535	173446
DLS 6i D32-4	32 A	4	1/3	09 916 536	173453
DLS 6i D40-4	40 A	4	1/3	09 916 537	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: **99, 100**

6 kA

miniature circuit-breakers DLS 6i, D-characteristic, 4-pole, 6 kA

6000 25

for industrial facilities, 6 kA

D-characteristic

4-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i D50-4	50 A	4	1/3	09 916 538	173477
DLS 6i D63-4	63 A	4	1/3	09 916 539	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

for industrial facilities, 10 kA

K-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i K0,3-1	0.3 A	1	1/12	09 916 548	173491
DLS 6i K0,5-1	0.5 A	1	1/12	09 916 549	173507
DLS 6i K0,8-1	0.8 A	1	1/12	09 916 550	173514
DLS 6i K1-1	1 A	1	1/12	09 916 551	173521
DLS 6i K1,6-1	1.6 A	1	1/12	09 916 552	173538
DLS 6i K2-1	2 A	1	1/12	09 916 553	173545
DLS 6i K2,5-1	2.5 A	1	1/12	09 916 554	173552
DLS 6i K3-1	3 A	1	1/12	09 916 555	173569
DLS 6i K3,5-1	3.5 A	1	1/12	09 916 556	173576
DLS 6i K4-1	4 A	1	1/12	09 916 557	173583
DLS 6i K5-1	5 A	1	1/12	09 916 558	173590
DLS 6i K6-1	6 A	1	1/12	09 916 559	173606
DLS 6i K8-1	8 A	1	1/12	09 916 560	173613
DLS 6i K10-1	10 A	1	1/12	09 916 561	173620
DLS 6i K13-1	13 A	1	1/12	09 916 562	173637
DLS 6i K16-1	16 A	1	1/12	09 916 563	173644
DLS 6i K20-1	20 A	1	1/12	09 916 564	173651
DLS 6i K25-1	25 A	1	1/12	09 916 565	173668
DLS 6i K32-1	32 A	1	1/12	09 916 566	173675
DLS 6i K40-1	40 A	1	1/12	09 916 567	173682
DLS 6i K50-1	50 A	1	1/12	09 916 568	173699
DLS 6i K63-1	63 A	1	1/12	09 916 569	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: **99, 100**

miniature circuit–breakers (MCB)

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

10 kA

for industrial facilities, 10 kA

K-characteristic

1-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i K0,3-1+N	0.3 A	2	1/6	09 916 578	173712
DLS 6i K0,5-1+N	0.5 A	2	1/6	09 916 579	173729
DLS 6i K0,8-1+N	0.8 A	2	1/6	09 916 580	173736
DLS 6i K1-1+N	1 A	2	1/6	09 916 581	173743
DLS 6i K1,6-1+N	1.6 A	2	1/6	09 916 582	173750
DLS 6i K2-1+N	2 A	2	1/6	09 916 583	173767
DLS 6i K2,5-1+N	2.5 A	2	1/6	09 916 584	173774
DLS 6i K3-1+N	3 A	2	1/6	09 916 585	173781
DLS 6i K3,5-1+N	3.5 A	2	1/6	09 916 586	173798
DLS 6i K4-1+N	4 A	2	1/6	09 916 587	173804
DLS 6i K5-1+N	5 A	2	1/6	09 916 588	173811
DLS 6i K6-1+N	6 A	2	1/6	09 916 589	173828
DLS 6i K8-1+N	8 A	2	1/6	09 916 590	173835
DLS 6i K10-1+N	10 A	2	1/6	09 916 591	173842
DLS 6i K13-1+N	13 A	2	1/6	09 916 592	173859
DLS 6i K16-1+N	16 A	2	1/6	09 916 593	173866
DLS 6i K20-1+N	20 A	2	1/6	09 916 594	173873
DLS 6i K25-1+N	25 A	2	1/6	09 916 595	173880
DLS 6i K32-1+N	32 A	2	1/6	09 916 596	173897
DLS 6i K40-1+N	40 A	2	1/6	09 916 597	173903
DLS 6i K50-1+N	50 A	2	1/6	09 916 598	173910
DLS 6i K63-1+N	63 A	2	1/6	09 916 599	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

miniature circuit-breakers (MCB)

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

10 kA

for industrial facilities, 10 kA

K-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i K0,3-2	0.3 A	2	1/6	09 916 608	173934
DLS 6i K0,5-2	0.5 A	2	1/6	09 916 609	173941
DLS 6i K0,8-2	0.8 A	2	1/6	09 916 610	173958
DLS 6i K1-2	1 A	2	1/6	09 916 611	173965
DLS 6i K1,6-2	1.6 A	2	1/6	09 916 612	173972
DLS 6i K2-2	2 A	2	1/6	09 916 613	173989
DLS 6i K2,5-2	2.5 A	2	1/6	09 916 614	173996
DLS 6i K3-2	3 A	2	1/6	09 916 615	174009
DLS 6i K3,5-2	3.5 A	2	1/6	09 916 616	174016
DLS 6i K4-2	4 A	2	1/6	09 916 617	174023
DLS 6i K5-2	5 A	2	1/6	09 916 618	174030
DLS 6i K6-2	6 A	2	1/6	09 916 619	174047
DLS 6i K8-2	8 A	2	1/6	09 916 620	174054
DLS 6i K10-2	10 A	2	1/6	09 916 621	174061
DLS 6i K13-2	13 A	2	1/6	09 916 622	174078
DLS 6i K16-2	16 A	2	1/6	09 916 623	174085
DLS 6i K20-2	20 A	2	1/6	09 916 624	174092
DLS 6i K25-2	25 A	2	1/6	09 916 625	174108
DLS 6i K32-2	32 A	2	1/6	09 916 626	174115
DLS 6i K40-2	40 A	2	1/6	09 916 627	174122
DLS 6i K50-2	50 A	2	1/6	09 916 628	174139
DLS 6i K63-2	63 A	2	1/6	09 916 629	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

miniature circuit-breakers (MCB)

10 kA

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

for industrial facilities, 10 kA

K-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 6i K0,3-3	0.3 A	3	1/4	09 916 638	174153
DLS 6i K0,5-3	0.5 A	3	1/4	09 916 639	174160
DLS 6i K0,8-3	0.8 A	3	1/4	09 916 640	174177
DLS 6i K1-3	1 A	3	1/4	09 916 641	174184
DLS 6i K1,6-3	1.6 A	3	1/4	09 916 642	174191
DLS 6i K2-3	2 A	3	1/4	09 916 643	174207
DLS 6i K2,5-3	2.5 A	3	1/4	09 916 644	174214
DLS 6i K3-3	3 A	3	1/4	09 916 645	174221
DLS 6i K3,5-3	3.5 A	3	1/4	09 916 646	174238
DLS 6i K4-3	4 A	3	1/4	09 916 647	174245
DLS 6i K5-3	5 A	3	1/4	09 916 648	174252
DLS 6i K6-3	6 A	3	1/4	09 916 649	174269
DLS 6i K8-3	8 A	3	1/4	09 916 650	174276
DLS 6i K10-3	10 A	3	1/4	09 916 651	174283
DLS 6i K13-3	13 A	3	1/4	09 916 652	174290
DLS 6i K16-3	16 A	3	1/4	09 916 653	174306
DLS 6i K20-3	20 A	3	1/4	09 916 654	174313
DLS 6i K25-3	25 A	3	1/4	09 916 655	174320
DLS 6i K32-3	32 A	3	1/4	09 916 656	174337
DLS 6i K40-3	40 A	3	1/4	09 916 657	174344
DLS 6i K50-3	50 A	3	1/4	09 916 658	174351
DLS 6i K63-3	63 A	3	1/4	09 916 659	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: **99, 100**

miniature circuit-breakers (MCB)

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

10 kA

for industrial facilities, 10 kA

K-characteristic

3-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712…)
DLS 6i K0,3-3+N	0.3 A	4	1/3	09 916 668	174375
DLS 6i K0,5-3+N	0.5 A	4	1/3	09 916 669	174382
DLS 6i K0,8-3+N	0.8 A	4	1/3	09 916 670	174399
DLS 6i K1-3+N	1 A	4	1/3	09 916 671	174405
DLS 6i K1,6-3+N	1.6 A	4	1/3	09 916 672	174412
DLS 6i K2-3+N	2 A	4	1/3	09 916 673	174429
DLS 6i K2,5-3+N	2.5 A	4	1/3	09 916 674	174436
DLS 6i K3-3+N	3 A	4	1/3	09 916 675	174443
DLS 6i K3,5-3+N	3.5 A	4	1/3	09 916 676	174450
DLS 6i K4-3+N	4 A	4	1/3	09 916 677	174467
DLS 6i K5-3+N	5 A	4	1/3	09 916 678	174474
DLS 6i K6-3+N	6 A	4	1/3	09 916 679	174481
DLS 6i K8-3+N	8 A	4	1/3	09 916 680	174498
DLS 6i K10-3+N	10 A	4	1/3	09 916 681	174504
DLS 6i K13-3+N	13 A	4	1/3	09 916 682	174511
DLS 6i K16-3+N	16 A	4	1/3	09 916 683	174528
DLS 6i K20-3+N	20 A	4	1/3	09 916 684	174535
DLS 6i K25-3+N	25 A	4	1/3	09 916 685	174542
DLS 6i K32-3+N	32 A	4	1/3	09 916 686	174559
DLS 6i K40-3+N	40 A	4	1/3	09 916 687	174566
DLS 6i K50-3+N	50 A	4	1/3	09 916 688	174573
DLS 6i K63-3+N	63 A	4	1/3	09 916 689	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: **99, 100***

miniature circuit-breakers (MCB)

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

for industrial facilities, 10 kA

10 kA

10000 ⬡25

K-characteristic
4-pole

		mod. widths	pack. units	Article No.	EAN (4014712...)
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: **99, 100**

miniature circuit-breakers (MCB)

10 kA

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

for industrial facilities, 10 kA

Z-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i Z0,3-1	0.3 A	1	1/12	09 916 728	174818
DLS 6i Z0,5-1	0.5 A	1	1/12	09 916 729	174825
DLS 6i Z0,8-1	0.8 A	1	1/12	09 916 730	174832
DLS 6i Z1-1	1 A	1	1/12	09 916 731	174849
DLS 6i Z1,6-1	1.6 A	1	1/12	09 916 732	174856
DLS 6i Z2-1	2 A	1	1/12	09 916 733	174863
DLS 6i Z2,5-1	2.5 A	1	1/12	09 916 734	174870
DLS 6i Z3-1	3 A	1	1/12	09 916 735	174887
DLS 6i Z3,5-1	3.5 A	1	1/12	09 916 736	174894
DLS 6i Z4-1	4 A	1	1/12	09 916 737	174900
DLS 6i Z5-1	5 A	1	1/12	09 916 738	174917
DLS 6i Z6-1	6 A	1	1/12	09 916 739	174924
DLS 6i Z8-1	8 A	1	1/12	09 916 740	174931
DLS 6i Z10-1	10 A	1	1/12	09 916 741	174948
DLS 6i Z13-1	13 A	1	1/12	09 916 742	174955
DLS 6i Z16-1	16 A	1	1/12	09 916 743	174962
DLS 6i Z20-1	20 A	1	1/12	09 916 744	174979
DLS 6i Z25-1	25 A	1	1/12	09 916 745	174986
DLS 6i Z32-1	32 A	1	1/12	09 916 746	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: **99, 100**

10 kA

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

for industrial facilities, 10 kA

Z-characteristic

2-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i Z0,3-2	0.3 A	2	1/6	09 916 788	175259
DLS 6i Z0,5-2	0.5 A	2	1/6	09 916 789	175266
DLS 6i Z0,8-2	0.8 A	2	1/6	09 916 790	175273
DLS 6i Z1-2	1 A	2	1/6	09 916 791	175280
DLS 6i Z1,6-2	1.6 A	2	1/6	09 916 792	175297
DLS 6i Z2-2	2 A	2	1/6	09 916 793	175303
DLS 6i Z2,5-2	2.5 A	2	1/6	09 916 794	175310
DLS 6i Z3-2	3 A	2	1/6	09 916 795	278202
DLS 6i Z3,5-2	3.5 A	2	1/6	09 916 796	175334
DLS 6i Z4-2	4 A	2	1/6	09 916 797	175341
DLS 6i Z5-2	5 A	2	1/6	09 916 798	175358
DLS 6i Z6-2	6 A	2	1/6	09 916 799	175365
DLS 6i Z8-2	8 A	2	1/6	09 916 800	175372
DLS 6i Z10-2	10 A	2	1/6	09 916 801	175389
DLS 6i Z13-2	13 A	2	1/6	09 916 802	175396
DLS 6i Z16-2	16 A	2	1/6	09 916 803	175402
DLS 6i Z20-2	20 A	2	1/6	09 916 804	175419
DLS 6i Z25-2	25 A	2	1/6	09 916 805	175426
DLS 6i Z32-2	32 A	2	1/6	09 916 806	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

10 kA

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

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for industrial facilities, 10 kA

Z-characteristic

3-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i Z0,3-3	0.3 A	3	1/4	09 916 818	175471
DLS 6i Z0,5-3	0.5 A	3	1/4	09 916 819	175488
DLS 6i Z0,8-3	0.8 A	3	1/4	09 916 820	175495
DLS 6i Z1-3	1 A	3	1/4	09 916 821	175501
DLS 6i Z1,6-3	1.6 A	3	1/4	09 916 822	175518
DLS 6i Z2-3	2 A	3	1/4	09 916 823	175525
DLS 6i Z2,5-3	2.5 A	3	1/4	09 916 824	175532
DLS 6i Z3-3	3 A	3	1/4	09 916 825	175549
DLS 6i Z3,5-3	3.5 A	3	1/4	09 916 826	175556
DLS 6i Z4-3	4 A	3	1/4	09 916 827	175563
DLS 6i Z5-3	5 A	3	1/4	09 916 828	175570
DLS 6i Z6-3	6 A	3	1/4	09 916 829	175587
DLS 6i Z8-3	8 A	3	1/4	09 916 830	175594
DLS 6i Z10-3	10 A	3	1/4	09 916 831	175600
DLS 6i Z13-3	13 A	3	1/4	09 916 832	175617
DLS 6i Z16-3	16 A	3	1/4	09 916 833	175624
DLS 6i Z20-3	20 A	3	1/4	09 916 834	175631
DLS 6i Z25-3	25 A	3	1/4	09 916 835	175648
DLS 6i Z32-3	32 A	3	1/4	09 916 836	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
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6 kA

miniature circuit-breakers DLS 6i, with red housing, 6 kA

6️⃣0️⃣0️⃣0️⃣ ⬡25

for industrial facilities, 6 kA

B-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i B10-1 RT	10 A	1	1/12	09 860 100	263307
DLS 6i B16-1 RT	16 A	1	1/12	09 860 101	250185

C-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN
DLS 6i C16-1 RT	16 A	1	1/12	09 860 102	250208

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
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miniature circuit-breakers (MCB)

miniature circuit-breakers DLS 8, B-characteristic, 1-pole

10 kA

certified according to UL 508

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 8 1B1UM	1 A	1	1/12	09 841 005	982611
DLS 8 1B2UM	2 A	1	1/12	09 841 007	982673
DLS 8 1B6UM	6 A	1	1/12	09 841 013	982857
DLS 8 1B8UM	8 A	1	1/12	09 841 015	982888
DLS 8 1B10UM	10 A	1	1/12	09 841 017	982918
DLS 8 1B13UM	13 A	1	1/12	09 841 019	982970
DLS 8 1B15UM	15 A	1	1/12	09 841 020	983007
DLS 8 1B16UM	16 A	1	1/12	09 841 021	983038
DLS 8 1B20UM	20 A	1	1/12	09 841 022	983069
DLS 8 1B25UM	25 A	1	1/12	09 841 023	983090
DLS 8 1B30UM	30 A	1	1/12	09 841 024	983120
DLS 8 1B40UM	40 A	1	1/12	09 841 027	983212
DLS 8 1B50UM	50 A	1	1	09 841 028	983243
DLS 8 1B60UM	60 A	1	1	09 841 029	983274

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
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miniature circuit-breakers DLS 8, B-characteristic, 2-pole

10 kA

certified according to UL 508

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 8 2B1UM	1 A	2	1/6	09 842 005	987685
DLS 8 2B2UM	2 A	2	1/6	09 842 007	987746
DLS 8 2B6UM	6 A	2	1/6	09 842 013	987920
DLS 8 2B8UM	8 A	2	1	09 842 015	987951
DLS 8 2B10UM	10 A	2	1/6	09 842 017	987982
DLS 8 2B13UM	13 A	2	1/6	09 842 019	988040
DLS 8 2B15UM	15 A	2	1/6	09 842 020	988071
DLS 8 2B16UM	16 A	2	1/6	09 842 021	988101
DLS 8 2B20UM	20 A	2	1/6	09 842 022	988132
DLS 8 2B25UM	25 A	2	1/6	09 842 023	988163
DLS 8 2B30UM	30 A	2	1	09 842 024	988194
DLS 8 2B40UM	40 A	2	1	09 842 027	988286
DLS 8 2B50UM	50 A	2	1	09 842 028	988316
DLS 8 2B60UM	60 A	2	1	09 842 029	988347

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
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EAN refers to individual item | All illustrations are non-binding.

Doepke

miniature circuit-breakers (MCB)

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

miniature circuit-breakers DLS 8, B-characteristic, 3-pole

10 kA

certified according to UL 508

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 8 3B1UM	1 A	3	1	09843005	992757
DLS 8 3B2UM	2 A	3	1	09843007	992818
DLS 8 3B6UM	6 A	3	1	09843013	992993
DLS 8 3B8UM	8 A	3	1	09843015	993020
DLS 8 3B10UM	10 A	3	1/4	09843017	993051
DLS 8 3B13UM	13 A	3	1	09843019	993112
DLS 8 3B15UM	15 A	3	1	09843020	993143
DLS 8 3B16UM	16 A	3	1/4	09843021	993174
DLS 8 3B20UM	20 A	3	1	09843022	993204
DLS 8 3B25UM	25 A	3	1/4	09843023	993235
DLS 8 3B30UM	30 A	3	1/4	09843024	993266
DLS 8 3B40UM	40 A	3	1/4	09843027	993358
DLS 8 3B50UM	50 A	3	1	09843028	993389
DLS 8 3B60UM	60 A	3	1	09843029	993419

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
on Page: **99, 100**

miniature circuit-breakers DLS 8, B-characteristic, 4-pole

10 kA

certified according to UL 508

B-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 8 4B1UM	1 A	4	1	09844005	997820
DLS 8 4B2UM	2 A	4	1	09844007	997882
DLS 8 4B6UM	6 A	4	1	09844013	998063
DLS 8 4B8UM	8 A	4	1	09844015	998094
DLS 8 4B10UM	10 A	4	1	09844017	998124
DLS 8 4B13UM	13 A	4	1	09844019	998186
DLS 8 4B15UM	15 A	4	1	09844020	998216
DLS 8 4B16UM	16 A	4	1/3	09844021	998247
DLS 8 4B20UM	20 A	4	1	09844022	998278
DLS 8 4B25UM	25 A	4	1	09844023	998308
DLS 8 4B30UM	30 A	4	1	09844024	998339
DLS 8 4B40UM	40 A	4	1	09844027	998421
DLS 8 4B50UM	50 A	4	1	09844028	998452
DLS 8 4B60UM	60 A	4	1	09844029	998483

Accessories: operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS
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miniature circuit-breakers (MCB)

		mod. widths	pack. units	Article No.	EAN (4014712...)
10 kA	**miniature circuit-breakers DLS 8, C-characteristic, 1-pole**				**10000** ⬡25
	certified according to UL 508				
C-characteristic					
DLS 8 1C1UM	1 A	1	1/12	09 841 105	983458
DLS 8 1C2UM	2 A	1	1/12	09 841 107	983519
DLS 8 1C6UM	6 A	1	1/12	09 841 113	983694
DLS 8 1C8UM	8 A	1	1/12	09 841 115	983724
DLS 8 1C10UM	10 A	1	1/12	09 841 117	983755
DLS 8 1C13UM	13 A	1	1/12	09 841 119	983816
DLS 8 1C15UM	15 A	1	1/12	09 841 120	983847
DLS 8 1C16UM	16 A	1	1/12	09 841 121	983878
DLS 8 1C20UM	20 A	1	1/12	09 841 122	983908
DLS 8 1C25UM	25 A	1	1/12	09 841 123	983939
DLS 8 1C30UM	30 A	1	1/12	09 841 124	983960
DLS 8 1C40UM	40 A	1	1/12	09 841 127	984059
DLS 8 1C50UM	50 A	1	1	09 841 128	984080
DLS 8 1C60UM	60 A	1	1	09 841 129	984110

Accessories: *operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS*
on Page: **99, 100**

		mod. widths	pack. units	Article No.	EAN (4014712...)
10 kA	**miniature circuit-breakers DLS 8 DC, C-characteristic, 2-pole**				**10000** ⬡25
	certified according to UL 508				
C-characteristic					
DLS 8 2C1UM	1 A	2	1/6	09 842 105	988521
DLS 8 2C2UM	2 A	2	1/6	09 842 107	988583
DLS 8 2C6UM	6 A	2	1/6	09 842 113	988767
DLS 8 2C8UM	8 A	2	1/6	09 842 115	988798
DLS 8 2C10UM	10 A	2	1/6	09 842 117	988828
DLS 8 2C13UM	13 A	2	1/6	09 842 119	988880
DLS 8 2C15UM	15 A	2	1/6	09 842 120	988910
DLS 8 2C16UM	16 A	2	1/6	09 842 121	988941
DLS 8 2C20UM	20 A	2	1/6	09 842 122	988972
DLS 8 2C25UM	25 A	2	1/6	09 842 123	989009
DLS 8 2C30UM	30 A	2	1/6	09 842 124	989030
DLS 8 2C40UM	40 A	2	1/6	09 842 127	989122
DLS 8 2C50UM	50 A	2	1/6	09 842 128	989153
DLS 8 2C60UM	60 A	2	1/6	09 842 129	989184

Accessories: *operating current trip DASA 8, auxiliary switches DHi 8, spacers DHDS*
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

miniature circuit-breakers DLS 8, C-characteristic, 3-pole

10 kA

10000 ⦃-25⦄

certified according to UL 508

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 8 3C1UM	1 A	3	1/4	09 843 105	993594
DLS 8 3C2UM	2 A	3	1/4	09 843 107	993655
DLS 8 3C6UM	6 A	3	1/4	09 843 113	993839
DLS 8 3C8UM	8 A	3	1/4	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
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miniature circuit-breakers DLS 8, D-characteristic, 1-pole

10 kA

10000 ⦃-25⦄ / 10000 ⦃-25⦄ ⚠

certified according to UL 508

D-characteristic

		mod. widths	pack. units	Article No.	EAN
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	1/12	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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

miniature circuit-breakers DLS 8, D-characteristic, 2-pole

10 kA

certified according to UL 508

D-characteristic

		mod. widths	pack. units	Article No.	EAN
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: **99, 100**

miniature circuit-breakers DLS 8, D-characteristic, 3-pole

10 kA

certified according to UL 508

D-characteristic

		mod. widths	pack. units	Article No.	EAN
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
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

miniature circuit-breakers DLS 9 AC, C-characteristic, 1-pole

10 kA

certified according to UL 489, AC

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 1C1UL	1 A	1	1/12	09 821 105	969537
DLS 9 1C2UL	2 A	1	1/12	09 821 107	969599
DLS 9 1C6UL	6 A	1	1/12	09 821 113	969773
DLS 9 1C8UL	8 A	1	1/12	09 821 115	969834
DLS 9 1C10UL	10 A	1	1/12	09 821 117	969896
DLS 9 1C13UL	13 A	1	1/12	09 821 119	969957
DLS 9 1C15UL	15 A	1	1/12	09 821 120	969988
DLS 9 1C16UL	16 A	1	1/12	09 821 121	970014
DLS 9 1C20UL	20 A	1	1/12	09 821 122	970045
DLS 9 1C25UL	25 A	1	1/12	09 821 123	970076
DLS 9 1C30UL	30 A	1	1/12	09 821 124	970106
DLS 9 1C40UL	40 A	1	1/12	09 821 127	970199
DLS 9 1C50UL	50 A	1	1	09 821 128	970229
DLS 9 1C60UL	60 A	1	1	09 821 129	970250

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
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miniature circuit-breakers DLS 9 AC, C-characteristic, 2-pole

10 kA

certified according to UL 489, AC

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 2C1UL	1 A	2	1/6	09 822 105	972148
DLS 9 2C2UL	2 A	2	1/6	09 822 107	972209
DLS 9 2C6UL	6 A	2	1/6	09 822 113	972384
DLS 9 2C10UL	10 A	2	1/6	09 822 117	972506
DLS 9 2C13UL	13 A	2	1/6	09 822 119	972568
DLS 9 2C15UL	15 A	2	1/6	09 822 120	972599
DLS 9 2C16UL	16 A	2	1/6	09 822 121	972629
DLS 9 2C20UL	20 A	2	1/6	09 822 122	972650
DLS 9 2C25UL	25 A	2	1/6	09 822 123	972681
DLS 9 2C30UL	30 A	2	1/6	09 822 124	972711
DLS 9 2C40UL	40 A	2	1/6	09 822 127	972803
DLS 9 2C50UL	50 A	2	1/6	09 822 128	972834
DLS 9 2C60UL	60 A	2	1/6	09 822 129	972865

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **99, 100**

miniature circuit-breakers (MCB)

10 kA

miniature circuit-breakers DLS 9 AC, C-characteristic, 3-pole

certified according to UL 489, AC

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 3C1UL	1 A	3	1/4	09 823 105	974753
DLS 9 3C2UL	2 A	3	1/4	09 823 107	974814
DLS 9 3C6UL	6 A	3	1/4	09 823 113	974999
DLS 9 3C8UL	8 A	3	1/4	09 823 115	975057
DLS 9 3C10UL	10 A	3	1/4	09 823 117	975118
DLS 9 3C13UL	13 A	3	1/4	09 823 119	975170
DLS 9 3C15UL	15 A	3	1/4	09 823 120	975200
DLS 9 3C16UL	16 A	3	1/4	09 823 121	975231
DLS 9 3C20UL	20 A	3	1/4	09 823 122	975262
DLS 9 3C25UL	25 A	3	1/4	09 823 123	975293
DLS 9 3C30UL	30 A	3	1/4	09 823 124	975323
DLS 9 3C40UL	40 A	3	1/4	09 823 127	975415
DLS 9 3C50UL	50 A	3	1/4	09 823 128	975446
DLS 9 3C60UL	60 A	3	1/4	09 823 129	975477

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **99, 100**

10 kA

miniature circuit-breakers DLS 9 AC, C-characteristic, 4-pole

certified according to UL 489, AC

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 4C1UL	1 A	4	1	09 824 105	977365
DLS 9 4C2UL	2 A	4	1	09 824 107	977426
DLS 9 4C6UL	6 A	4	1	09 824 113	977600
DLS 9 4C8UL	8 A	4	1	09 824 115	977662
DLS 9 4C10UL	10 A	4	1	09 824 117	977723
DLS 9 4C13UL	13 A	4	1	09 824 119	977785
DLS 9 4C15UL	15 A	4	1	09 824 120	977815
DLS 9 4C16UL	16 A	4	1/3	09 824 121	977846
DLS 9 4C20UL	20 A	4	1/3	09 824 122	977877
DLS 9 4C25UL	25 A	4	1	09 824 123	977907
DLS 9 4C30UL	30 A	4	1	09 824 124	977938
DLS 9 4C40UL	40 A	4	1	09 824 127	978027
DLS 9 4C50UL	50 A	4	1	09 824 128	978058
DLS 9 4C60UL	60 A	4	1	09 824 129	978089

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
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EAN refers to individual item | All illustrations are non-binding.

miniature circuit-breakers (MCB)

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

miniature circuit-breakers DLS 9 AC, D-characteristic, 1-pole

10 kA

certified according to UL 489, AC

D-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 1D1UL	1 A	1	1/12	09 821 205	970403
DLS 9 1D2UL	2 A	1	1/12	09 821 207	970465
DLS 9 1D6UL	6 A	1	1/12	09 821 213	970649
DLS 9 1D8UL	8 A	1	1/12	09 821 215	970700
DLS 9 1D10UL	10 A	1	1/12	09 821 217	970762
DLS 9 1D13UL	13 A	1	1/12	09 821 219	970823
DLS 9 1D15UL	15 A	1	1/12	09 821 220	970854
DLS 9 1D16UL	16 A	1	1/12	09 821 221	970885
DLS 9 1D20UL	20 A	1	1/12	09 821 222	970915
DLS 9 1D25UL	25 A	1	1/12	09 821 223	970946
DLS 9 1D30UL	30 A	1	1/12	09 821 224	970977
DLS 9 1D40UL	40 A	1	1/12	09 821 227	971066
DLS 9 1D50UL	50 A	1	1/12	09 821 228	971097
DLS 9 1D60UL	60 A	1	1	09 821 229	971127

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
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miniature circuit-breakers DLS 9 AC, D-characteristic, 2-pole

10 kA

certified according to UL 489, AC

D-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 2D1UL	1 A	2	1/6	09 822 205	973015
DLS 9 2D2UL	2 A	2	1/6	09 822 207	973077
DLS 9 2D6UL	6 A	2	1/6	09 822 213	973251
DLS 9 2D8UL	8 A	2	1/6	09 822 215	973312
DLS 9 2D10UL	10 A	2	1/6	09 822 217	973374
DLS 9 2D13UL	13 A	2	1/6	09 822 219	973435
DLS 9 2D15UL	15 A	2	1/6	09 822 220	973466
DLS 9 2D16UL	16 A	2	1/6	09 822 221	973497
DLS 9 2D20UL	20 A	2	1/6	09 822 222	973527
DLS 9 2D25UL	25 A	2	1/6	09 822 223	973558
DLS 9 2D30UL	30 A	2	1/6	09 822 224	973589
DLS 9 2D40UL	40 A	2	1/6	09 822 227	973671
DLS 9 2D50UL	50 A	2	1/6	09 822 228	973701
DLS 9 2D60UL	60 A	2	1/6	09 822 229	973732

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
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miniature circuit-breakers (MCB)

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

10 kA

miniature circuit-breakers DLS 9 AC, D-characteristic, 3-pole

certified according to UL 489, AC

D-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 9 3D1UL	1 A	3	1/4	09823205	975620
DLS 9 3D2UL	2 A	3	1/4	09823207	975682
DLS 9 3D6UL	6 A	3	1/4	09823213	975866
DLS 9 3D8UL	8 A	3	1/4	09823215	975927
DLS 9 3D10UL	10 A	3	1/4	09823217	975989
DLS 9 3D13UL	13 A	3	1/4	09823219	976047
DLS 9 3D15UL	15 A	3	1/4	09823220	976078
DLS 9 3D16UL	16 A	3	1/4	09823221	976108
DLS 9 3D20UL	20 A	3	1/4	09823222	976139
DLS 9 3D25UL	25 A	3	1/4	09823223	976160
DLS 9 3D30UL	30 A	3	1/4	09823224	976191
DLS 9 3D40UL	40 A	3	1/4	09823227	976283
DLS 9 3D50UL	50 A	3	1/4	09823228	976313
DLS 9 3D60UL	60 A	3	1/4	09823229	976344

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS

10 kA

miniature circuit-breakers DLS 9 AC, D-characteristic, 4-pole

certified according to UL 489, AC

D-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712...)
DLS 9 4D1UL	1 A	4	1	09824205	978232
DLS 9 4D2UL	2 A	4	1	09824207	978294
DLS 9 4D6UL	6 A	4	1	09824213	978478
DLS 9 4D8UL	8 A	4	1	09824215	978539
DLS 9 4D10UL	10 A	4	1	09824217	978591
DLS 9 4D13UL	13 A	4	1	09824219	978652
DLS 9 4D15UL	15 A	4	1	09824220	978683
DLS 9 4D16UL	16 A	4	1	09824221	978713
DLS 9 4D20UL	20 A	4	1	09824222	978744
DLS 9 4D25UL	25 A	4	1	09824223	978775
DLS 9 4D30UL	30 A	4	1	09824224	978805
DLS 9 4D40UL	40 A	4	1	09824227	978898
DLS 9 4D50UL	50 A	4	1	09824228	978928
DLS 9 4D60UL	60 A	4	1	09824229	978959

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS

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

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

		mod. widths	pack. units	Article No.	EAN
DLS 9 1C6DL	6 A	1	1/12	09 831 113	979345
DLS 9 1C8DL	8 A	1	1/12	09 831 115	979406
DLS 9 1C10DL	10 A	1	1/12	09 831 117	979468
DLS 9 1C13DL	13 A	1	1	09 831 119	979529
DLS 9 1C16DL	16 A	1	1/12	09 831 121	979581
DLS 9 1C20DL	20 A	1	1/12	09 831 122	979611
DLS 9 1C25DL	25 A	1	1/12	09 831 123	979642
DLS 9 1C30DL	30 A	1	1/12	09 831 124	979673
DLS 9 1C40DL	40 A	1	1/12	09 831 127	979765
DLS 9 1C50DL	50 A	1	1/12	09 831 128	979796
DLS 9 1C60DL	60 A	1	1/12	09 831 129	979826

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **99, 100**

10 kA — miniature circuit-breakers DLS 9 DC, C-characteristic, 2-pole

certified according to UL 489, DC

C-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 2C6DL	6 A	2	1/6	09 832 113	981089
DLS 9 2C8DL	8 A	2	1/6	09 832 115	981140
DLS 9 2C10DL	10 A	2	1/6	09 832 117	981201
DLS 9 2C13DL	13 A	2	1	09 832 119	981263
DLS 9 2C16DL	16 A	2	1	09 832 121	981324
DLS 9 2C20DL	20 A	2	1/6	09 832 122	981355
DLS 9 2C25DL	25 A	2	1/6	09 832 123	981386
DLS 9 2C30DL	30 A	2	1/6	09 832 124	981416
DLS 9 2C40DL	40 A	2	1/6	09 832 127	981508
DLS 9 2C50DL	50 A	2	1/6	09 832 128	981539
DLS 9 2C60DL	60 A	2	1/6	09 832 129	981560

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
on Page: **99, 100**

10 kA — miniature circuit-breakers DLS 9 DC, D-characteristic, 1-pole

certified according to UL 489, DC

D-characteristic

		mod. widths	pack. units	Article No.	EAN
DLS 9 1D6DL	6 A	1	1/12	09 831 213	980211
DLS 9 1D8DL	8 A	1	1/12	09 831 215	980273
DLS 9 1D10DL	10 A	1	1/12	09 831 217	980334
DLS 9 1D13DL	13 A	1	1	09 831 219	980396
DLS 9 1D16DL	16 A	1	1	09 831 221	980457
DLS 9 1D20DL	20 A	1	1/12	09 831 222	980488
DLS 9 1D25DL	25 A	1	1	09 831 223	980518
DLS 9 1D30DL	30 A	1	1/12	09 831 224	980549
DLS 9 1D40DL	40 A	1	1/12	09 831 227	980631
DLS 9 1D50DL	50 A	1	1	09 831 228	980662
DLS 9 1D60DL	60 A	1	1	09 831 229	980693

Accessories: operating current trip DASA 9, auxiliary switches DHi 9, spacers DHDS
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miniature circuit-breakers (MCB)

		mod. widths	pack. units	Article No.	EAN (4014712…)

miniature circuit-breakers DLS 9 DC, D-characteristic, 2-pole

10000 ⬡25

certified according to UL 489, DC

D-characteristic

		mod. widths	pack. units	Article No.	EAN (4014712…)
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	1/6	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: **99, 100**

miniature circuit-breakers DMCB 2

⬡25

for industrial facilities, up to 25 kA

C-characteristic

1-pole

		mod. widths	pack. units	Article No.	EAN (4014712…)
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*
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EAN refers to individual item | All illustrations are non-binding.

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

6000 ⊞25

B-characteristic

1-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
ELS 3 B06/1+N	6 A	1	1	09 915 021	137363
ELS 3 B10/1+N	10 A	1	1	09 915 022	137370
ELS 3 B13/1+N	13 A	1	1	09 915 023	137387
ELS 3 B16/1+N	16 A	1	1	09 915 024	137394
ELS 3 B20/1+N	20 A	1	1	09 915 025	137400
ELS 3 B25/1+N	25 A	1	1	09 915 026	137417
ELS 3 B32/1+N	32 A	1	1	09 915 027	137424
ELS 3 B40/1+N	40 A	1	1	09 915 028	137769

C-characteristic

1-pole+N

		mod. widths	pack. units	Article No.	EAN (4014712...)
ELS 3 C02/1+N	2 A	1	1	09 915 029	137721
ELS 3 C04/1+N	4 A	1	1	09 915 030	137653
ELS 3 C06/1+N	6 A	1	1	09 915 031	137431
ELS 3 C10/1+N	10 A	1	1	09 915 032	137677
ELS 3 C13/1+N	13 A	1	1	09 915 033	137455
ELS 3 C16/1+N	16 A	1	1	09 915 034	137684
ELS 3 C20/1+N	20 A	1	1	09 915 035	137707
ELS 3 C25/1+N	25 A	1	1	09 915 036	137486
ELS 3 C32/1+N	32 A	1	1	09 915 037	137493
ELS 3 C40/1+N	40 A	1	1	09 915 038	137776

Accessories: restart locks RH-SPE, auxiliary switches Hi
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Accessories — auxiliary switches DHi/Hi

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

⊞25

		mod. widths	pack. units	Article No.	EAN (4014712...)
DHi 3	1 NO, for DLS 6	0.5	1	09 917 984	197275
DHi 4	1 NC/1 NO, for DLS 6	0.5	1	09 917 985	197282
DHi 5	2 NC/1 NO, for DLS 6	0.5	1	09 917 986	197299
DHi 6	1 NC/2 NO, for DLS 6	0.5	1	09 917 987	197305
DHi 7	1 CO, for DLS 6	0.5	1	09 917 988	197312
DHi 8	2 CO, for DLS 6	0.5	1	09 917 989	197329
DHi 8 H10UM	1 NO	0.5	1	09 200 080	957145
DHi 8 H11UM	1 NC/1 NO	0.5	1	09 200 081	957176
DHi 8 H12UM	2 NC/1 NO	0.5	1	09 200 082	982468
DHi 8 H21UM	1 NC/2 NO	0.5	1	09 200 083	957206
DHi 9 H10UL	1 NO	0.5	1	09 200 100	957350
DHi 9 H11UL	1 NC/1 NO	0.5	1	09 200 101	957381
DHi 9 H12UL	2 NC/1 NO	0.5	1	09 200 102	957411
DHi 9 H21UL	1 NC/2 NO	0.5	1	09 200 103	957442
DMCB 2 Hi 1	1 NC/1 NO, DMCB 2	0.5	1	09 915 086	225763
Hi 11	1 NC/1 NO, for DRCBO 3, ELS 3	0.5	1	09 950 012	130081

Accessories — restart locks DEASS/RH-SPE

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
DEASS	for DLS 6		1	09 917 983	197268
RH-SPE	for RH/AFDD/DRCBO 3/ELS 3		1	09 981 115	252677

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

accessories (MCB)

			mod. widths	pack. units	Article No.	EAN (4014712...)
Accessories	**terminal caps KA/RH–KA**					
	for DLS 6 miniature circuit-breakers and series RH main switches					
	KA-DLS/RH			1	09 913 997	067356
Accessories	**operating current trip DASA**					⬡25
	for DLS 6 and DMCB 2 / for DLS 6 and DMCB 2					
	DASA 12	12 V	1	1	09 917 992	197350
	DASA 230	110 V ... 230 V	1	1	09 917 995	197381
	DASA 24	24 V	1	1	09 917 993	197367
	DASA 48	48 V ... 74 V	1	1	09 917 994	197374
	DASA 8 FA110UM	240 V, 415 V	1	1	09 200 093	957329
	DASA 8 FA12UM	12 V	1	1	09 200 090	957237
	DASA 8 FA24UM	24 V	1	1	09 200 091	957268
	DASA 8 FA48UM	48 V	1	1	09 200 092	957299
	DASA 9 FA110UL	277 V	1	1	09 200 113	957565
	DASA 9 FA12UL	12 V	1	1	09 200 110	957473
	DASA 9 FA24UL	24 V	1	1	09 200 111	957503
	DASA 9 FA48UL	48 V	1	1	09 200 112	957534
	DMCB 2 ASA 1	230 V	1.5	1	09 915 087	225770
Accessories	**trip-indicating auxiliary contact DHi-S**					
	for DLS 6					
	DHi-S10	1 CO	0.5	1	09 917 990	197336
	DHi-S11	2 CO	0.5	1	09 917 991	197343
Accessories	**software DBS**					
	For DFS 2, DFS 4 and DLS 6					
	DBS V2			1	09 917 979	249028
	Download free-of-charge online at www.doepke.de					
Accessories	**documentation sheets of labels (printable)**					
	Label sheets DLS 6, A4, pre-perforated				59 001 88B	
Accessories	**spacers DHDS**					
	for relays and installation contactors					
	DHDS		0.5	1	09 860 401	250888

automatic reclosing devices (ARD), accessories (ARD)

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

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		mod. widths	pack. units	Article No.	EAN (4014712...)
DFA 2-1	24 V AC/DC, Switch-on attempts: 1	4	1	09 100 112	208 339
DFA 2-2	24 V AC/DC, Switch-on attempts: 1 or 3	4	1	09 100 113	208 346
DFA 2-4	230 V AC , Switch-on attempts: 1 or 3	4	1	09 100 115	211 803
for RCCB up to 125 A					
DFA 2	24 V AC/DC, Switch-on attempts: 1	4	1	09 100 110	205 598
DFA 2-3	230 V AC , Switch-on attempts: 1 or 3	4	1	09 100 114	208 445

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: **101**

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			mod. widths	pack. units	Article No.	EAN (4014712...)
DFA 3 012DC-0	12 V DC, Switch-on attempts: 0	**NEW**	1	1	09 100 140	240 933
DFA 3 012DC-3	12 V DC, Switch-on attempts: 3	**NEW**	1	1	09 100 142	240 957
DFA 3 024DC-0	24 V DC, Switch-on attempts: 0		1	1	09 100 141	240 940
DFA 3 024DC-3	24 V DC, Switch-on attempts: 3		1	1	09 100 143	240 964

Accessories — doorbell transformers RK

for converting the mains voltage 230 V into SELV

		mod. widths	pack. units	Article No.	EAN (4014712...)
RK 24	8/12/24 V; 2/1.3/0.6 A, switchable	2	1	09 980 654	118 720

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

			pack. units	Article No.	EAN (4014712...)
DFA 2 - RC 030	30 mA		1	09 100 150	213 890
DFA 2 - RC 100	100 mA		1	09 100 151	213 906
DFA 2 - RC 300	300 mA		1	09 100 152	213 913

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

1-pole, 10 mm²

		mod. widths	pack. units	Article No.	EAN (4014712...)
EV-S G 1+Hi.2.70	(L1-Hi) x 2	2.5	1	09 920 164	045538
EV-S G 1+Hi.6.70	(L1-Hi) x 6	8.5	1	09 920 165	045545
EV-S G 1+Hi.8.70	(L1-Hi) x 8	11.5	1	09 920 166	045552
EV-S G 1.12.70	L1 x 12	12	1	09 920 111	021518
EV-S G 1.2.70	L1 x 2	2	1	09 920 158	021495
EV-S G 1.3.70	L1 x 3	3	1	09 920 112	118959
EV-S G 1.4.70	L1 x 4	4	1	09 920 126	123861
EV-S G 1.6.70	L1 x 6	6	1	09 920 110	021501

2-pole, 10 mm²

EV-S G 2+Hi.10.120	(L1, L2/N-Hi) x 5	12	1	09 920 174	045736
EV-S G 2+Hi.4.120	(L1, L2/N-Hi) x 2	4.5	1	09 920 172	045712
EV-S G 2+Hi.6.120	(L1, L2/N-Hi) x 3	7	1	09 920 173	045729
EV-S G 2.12.120	(L1, L2/N) x 6	12	1	09 920 115	021563
EV-S G 2.4.120	(L1, L2/N) x 2	4	1	09 920 171	045675
EV-S G 2.6.120	(L1, L2/N) x 3	6	1	09 920 114	021556
EV-S G 2.8.120	(L1, L2/N) x 4	8	1	09 920 303	134584

3-pole, 10 mm²

with recess N left

EV-S G 3.11.120	(L1, L2, L3) x 3 + L1, L2	11	1	09 920 190	103528

with recess N right

EV-S G 3/N.5.120	L1, L2, L3-N + L2, L3, L1, L2, L3	9	1	09 920 184	045972
EV-S G 3/N.6.120	L1, L2, L3-N+L1, L2, L3, L1, L2, L3	10	1	09 920 325	274273
EV-S G 3/N.8.120	L1, L2, L3-N + L2, L3 + (L1, L2, L3) x 2	12	1	09 920 185	045989

without recess

EV-S G 3+Hi.12.120	(L1, L2, L3-Hi) x 4	13.5	1	09 920 177	045828
EV-S G 3+Hi.6.120	(L1, L2, L3-Hi) x 2	6.5	1	09 920 176	045811
EV-S G 3.1+Hi.6.120	L1-Hi, L2-Hi, L3-Hi) x 2	8.5	1	09 920 178	045835
EV-S G 3.1+Hi.8.120	(L1-Hi, L2-Hi, L3-Hi) x 2 + L1-Hi, L2-Hi	11.5	1	09 920 179	045842
EV-S G 3.12.120	(L1, L2, L3) x 4	12	1	09 920 119	021600
EV-S G 3.16.120	(L1, L2, L3) x 5 + L1	16	1	09 920 187	077829
EV-S G 3.6.120	(L1, L2, L3) x 2	6	1	09 920 118	021594
EV-S G 3.8.120	(L1, L2, L3) x 2 + (L1, L2) x 1	8	1	09 920 302	134577
EV-S G 3.9.120	(L1, L2, L3) x 3	9	1	09 920 175	045781

4-pole, 10 mm²

EV-S G 3.1+N.12.120	(L1+N, L2+N, L3+N) x 2	12	1	09 920 182	045958
EV-S G 3.1+N.18.120	(L1+N, L2+N, L3+N) x 3	18	1	09 920 183	045965
EV-S G 4.12.120	(L1, L2, L3, N) x 3	12	1	09 920 123	021648
EV-S G 4.12.120 L	(N, L1, L2, L3) x 3	12	1	09 920 125	123816
EV-S G 4.8.120	(L1, L2, L3, N) x 2	8	1	09 920 122	021631

4-pole, 16 mm²

EV-S G 4+S.14.16	(L1, L2, L3, N, S) x 3	14	1	09 920 317	211551
EV-S G 4+S.9.16	(L1, L2, L3, N, S) x 2	9	1	09 920 316	211544

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: **104**

wiring components

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
1-pole					
G.1.56.16/90°iso	16 mm², L1	56	1	09 920 313	149618
G.1.56.80/12/90°iso	10 mm², L1	56	1	09 920 150	015289
2-pole					
G.2.56.130/16	16 mm², L1, L2	56	1	09 920 311	145092
GM.2.56.100/10	10 mm², L1, L2	56	1	09 920 301	134560
3-pole					
GM.3.57.100/10	10 mm², L1, L2, L3	57	1	09 920 300	134553
GM.3.57.130/16	16 mm², L1, L2, L3	57	1	09 920 312	145108
4-pole					
GM.3.54.100/10/N	10 mm², L1+N, L2+N, L3+N	54	1	09 920 310	145085
GM.3.54.130/16/N	16 mm², L1+N, L2+N, L3+N	54	1	09 920 304	137097
GM.4.56.100/10	10 mm², L1, L2, L3, N	56	1	09 920 314	160378
GM.4.56.130/16	16 mm², L1, L2, L3, N	56	1	09 920 315	160385

Accessories: protective cover caps, end caps EK, input terminals AS, Feed-in terminal blocks ES
on Page: **104, 105**

wiring components adapter busbars

Connection rails for residual current operated and miniature circuit-breakers for power supply from above

		mod. widths	pack. units	Article No.	EAN (4014712...)
3-pole					
EV-S G ANL	16 mm², (L1, L2, L3) x 2	6	1	09 920 127	200692
EV-S G ANR	16 mm², L1, L2, L3, (N), L1, L2, L3	7	1	09 920 128	200708

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES
on Page: **104**

wiring components DRCBO 4-busbars

For RCCB/MCB combinations DRCBO 4 type B/B+

		mod. widths	pack. units	Article No.	EAN (4014712...)
2-pole					
BG2.5.10	fork, 10 mm², 5 x (L, N)	12	1	09 920 151	269712
BG2.5.16	fork, 16 mm², 5 x (L, N)	12	1	09 920 152	269729
4-pole					
BG4.2.10	fork, 10 mm², L1, L2, L3, N, L1, L2, L3, N	8.5	1	09 920 157	269774
BG4.2.16	fork, 16 mm², L1, L2, L3, N, L1, L2, L3, N	8.5	1	09 920 159	269781
BG4.3.10	fork, 10 mm², 3 x (L1, L2, L3, N)	13	1	09 920 155	269750
BG4.3.16	fork, 16 mm², 3 x (L1, L2, L3, N)	13	1	09 920 156	269767
BG4.5.10	fork, 10 mm², L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09 920 153	269736
BG4.5.16	fork, 16 mm², L1, N, L2, N (L3), N, L1, N, L2, N	12	1	09 920 154	269743

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES
on Page: **104**

wiring components row connection bars

		mod. widths	pack. units	Article No.	EAN (4014712...)
3-pole					
RVS 3.125.120	Mounting rail distance 125 mm	3	1	09 920 286	076006
RVS 3.150.120	Mounting rail distance 150 mm	3	1	09 920 287	076013

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

Doepke

wiring components, accessories (wiring components)

wiring components D0 busbars

Busbars, can be cut to length, Do fuse-switch-disconnector Tytan/Coron

		mod. widths	pack. units	Article No.	EAN (4014712...)
1-pole					
B G037-1-25/120 D0	fork, 1 x 25 mm², L1	37	1	09 980 143	049031
B G037-1-35/125 D0 iso	pin, 1 x 35 mm², L1	37	1	09 980 095	075955
B S037-1-16/080 D0	pin, 1 x 16 mm², L1	37	1	09 980 141	049017
2-pole					
B S039-2-35/125 D0	pin, 2 x 35 mm², L1, L2	38	1	09 980 096	075962
3-pole					
B S039-3-16/080 D0	pin, 3 x 16 mm², L1, L2, L3	39	1	09 980 142	049024
B S039-3-25/120 D0	pin, 3 x 25 mm², L1, L2, L3	39	1	09 980 145	049055
B S039-3-35/125 D0	pin, 3 x 35 mm², L1, L2, L3	39	1	09 980 097	075979
4-pole					
B S039-4-16/080 D0	pin, 4 x 16 mm², L1, L2, L3, N	36	1	09 980 093	063105
B S039-4-35/125 D0	pin, 4 x 35 mm², L1, L2, L3, N	36	1	09 980 098	075986

Accessories: end caps EK, input terminals AS, Feed-in terminal blocks ES

wiring components DAFDD busbars

For DAFDD arc fault detection devices

		mod. widths	pack. units	Article No.	EAN (4014712...)
2-pole, fork, 10 mm²					
fork					
B G12TE-1/N/S-10	(L, N, S) x 4	12	1	09 920 130	239500
B G60TE-1/N/S-10	(L, N, S) x 20	60	1	09 920 131	239531
4-pole, fork, 10 mm²					
fork					
B G12TE-3/N/S-10	L1, N, S, L2, N, S, L3, N, S, L1, N, S	12	1	09 920 132	240551
B G60TE-3/N/S-10	L1, N, S, L2, N, S, L3, N, S, L1, ...	60	1	09 920 133	239524

6o MW bar, can be cut to length

Accessories: protective cover caps, input terminals AS, Feed-in terminal blocks ES, end caps EK

Accessories   Feed-in terminal blocks ES

Feed-in terminal blocks for busbars

			pack. units	Article No.	EAN (4014712...)
ES/35 G/S	mountable side-by-side		1	09 920 099	015463

Accessories   input terminals AS

MCB-Input terminals 6-25 mm²

			pack. units	Article No.	EAN (4014712...)
AS 25-Gi	fork design		1	09 920 104	015449
AS 25-SLi	pin design, long		1	09 920 186	046061
AS 25-Si	pin design		1	09 920 087	021679

Accessories   protective cover caps EV-S BS

to cover free connections for Eurovario busbars

			pack. units	Article No.	EAN (4014712...)
EV-S BS			1	09 920 160	021686

thermoplastic, yellow

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

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

		mod. widths	pack. units	Article No.	EAN
EK-1/10/16	1-pole, for busbars 10/16 mm²		1	09920097	202603
EK-1/25/35	1-pole, for busbars 25/35 mm²		1	09920096	202597
EK-2/10	2-pole, for busbars 10 mm²		1	09920093	270404
EK-2/3/10/16	for 3-pole busbar (10/16 mm²), 2-pole (16 mm²)		1	09920098	015425
EK-2/3/35	two-, 3-pole, for busbars 35 mm²		1	09920094	202573
EK-2/3/4/25	two-, three-, 4-pole, for busbars 25 mm²		1	09920095	202580
EK-3/10/16	3-pole, for busbars GM.3.57...10/16 mm²		1	09920103	249929
EK-4/10/16	4-pole, for busbars 10/16 mm²		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

			mod. widths	pack. units	Article No.	EAN
Tytan II D0-63-1/E	63 A, copper		1.5	1	09980169	278585

3-pole

| Tytan II D0-63-3/E | 63 A, copper | | 4.5 | 1 | 09980100 | 112223 |

mechanical
1-pole

Tytan II D0-04-1/S	4 A, brown	SELLOUT	1.5	1	09980386	123113
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 D0-50-1/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 D0-06-3/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 D0-35-3/S	35 A, black	SELLOUT	4.5	1	09980383	118638
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: **110, 111**

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

	mod. widths	pack. units	Article No.	EAN
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: **110, 111**

fuse-switch-disconnector Tytan lockable (empty housing)
Lockable empty housing with fitted cartridge up to 63 A, without fuse plug and fuse

	mod. widths	pack. units	Article No.	EAN
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
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EAN refers to individual item | All illustrations are non-binding.

fuse-switch-disconnector, switch-disconnectors

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

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

	mod. widths	pack. units	Article No.	EAN (4014712...)
Tytan II D0-63-3/B	4.5	1	09 980 400	160460

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK
on Page: **110, 111**

fuse-switch-disconnector Tytan (empty housing)

Empty housing with fitted cartridge up to 63 A, without fuse plug and fuse

	mod. widths	pack. units	Article No.	EAN (4014712...)
Tytan II D0-63-1	1.5	1	09 980 101	048614
Tytan II D0-63-1+N	3	1	09 980 104	048645
Tytan II D0-63-2	3	1	09 980 102	048621
Tytan II D0-63-3	4.5	1	09 980 103	048638
Tytan II D0-63-3+N	6	1	09 980 105	048652

Accessories: fuse plug sets DSE, restart locks Tytan WES, wiring components Do busbar can be cut to length, input terminals DK
on Page: **110, 111**

fuse-switch-disconnector Coron 2

Screwcap-less plug-in technology with fuse plug and flashing indicator for conventional fitted sleeves, without fuse

	mod. widths	pack. units	Article No.	EAN (4014712...)
Coron 2 63-1	1.5	1	09 980 671	132122
Coron 2 63-2	3	1	09 980 672	132139
Coron 2 63-3	4.5	1	09 980 673	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.

		mod. widths	pack. units	Article No.	EAN (4014712...)
63 A					
DHS 2-063	2-pole	2	1	09 900 005	129665
DHS 4-063	4-pole	4	1	09 900 007	129764
80 A					
DHS 2-080	2-pole	2	1	09 900 006	129788
DHS 4-080	4-pole	4	1	09 900 008	129801
100 A					
DHS 2-100	2-pole	2	1	09 900 001	111479
DHS 4-100	4-pole	4	1	09 900 003	111516
125 A					
DHS 2-125	2-pole	2	1	09 900 002	111493
DHS 4-125	4-pole	4	1	09 900 004	111530

Neutral conductor position left, also available as N-right at no extra cost.

Accessories: software DBS, terminal caps KA, auxiliary switches DHi, restart locks DFS WES, automatic reclosing devices DFA
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EAN refers to individual item | All illustrations are non-binding.

Doepke

switch-disconnectors

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

switch-disconnectors DHS NA

10000 (f+) 25

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	09 900 009	233799
125 A					
DHS 4-125 NA	4-pole	4.5	1	09 900 012	236547

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.

Neutral conductor position left, also available as N-right at no extra cost.

Accessories: software DBS, terminal caps KA, restart locks DFS WES
on Page: **110**

switch-disconnectors RH

⌂ / 10000 ⌂

The devices in series RH are switch-disconnectors, with contacts that are very durable.

		mod. widths	pack. units	Article No.	EAN (4014712...)
16 A					
RH 016-100	1 NO	1	1	09 981 052	215016
20 A					
RH 020-100	1 NO	1	1	09 981 053	215023
RH 020-200	2 NO	2	1	09 981 087	215153
RH 020-300	3 NO	3	1	09 981 088	215160
25 A					
RH 025-300	3 NO	3	1	09 981 054	215061
32 A					
RH 032-100	1 NO	1	1	09 981 093	224056
RH 032-200	2 NO	2	1	09 981 089	215177
RH 032-300	3 NO	3	1	09 981 055	215078
40 A					
RH 040-100	1 NO	1	1	09 981 056	215030
RH 040-200	2 NO	2	1	09 981 057	215122
RH 040-300	3 NO	3	1	09 981 058	215085
RH 040-400	4 NO	4	1	09 981 059	215108
63 A					
RH 063-100	1 NO	1	1	09 981 060	154841
RH 063-200	2 NO	2	1	09 981 061	154858
RH 063-300	3 NO	3	1	09 981 062	154865
RH 063-400	4 NO	4	1	09 981 063	154872
80 A					
RH 080-300	3 NO	3	1	09 981 067	215092
RH 080-400	4 NO	4	1	09 981 108	240407
100 A					
RH 100-200	2 NO	2	1	09 981 065	215054
RH 100-300	3 NO	3	1	09 981 064	154889
RH 100-400	4 NO	4	1	09 981 066	215115

Accessories: terminal caps KA, restart locks RH-SPE
on Page: **110**

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

impulse switch (remote switches), control switches

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.

		mod. widths	pack. units	Article No.	EAN (4014712...)
008 V AC / 16 A					
RS 008-001	1 CO	1	1	09 981 041	154759
RS 008-100	1 NO	1	1	09 981 030	154643
RS 008-110	1 NC/1 NO	1	1	09 981 037	154711
012 V AC / 16 A					
RS 012-001	1 CO	1	1	09 981 042	154766
RS 012-002	2 CO	2	1	09 981 045	154797
RS 012-100	1 NO	1	1	09 981 031	154650
RS 012-110	1 NC/1 NO	1	1	09 981 038	154728
RS 012-200	2 NO	1	1	09 981 034	154681
024 V AC / 16 A					
RS 024-001	1 CO	1	1	09 981 043	154773
RS 024-002	2 CO	2	1	09 981 046	154803
RS 024-100	1 NO	1	1	09 981 032	154667
RS 024-110	1 NC/1 NO	1	1	09 981 039	154735
RS 024-200	2 NO	1	1	09 981 035	154698
230 V AC / 16 A					
RS 230-001	1 CO	1	1	09 981 044	154780
RS 230-002	2 CO	2	1	09 981 047	154810
RS 230-100	1 NO	1	1	09 981 033	154674
RS 230-110	1 NC/1 NO	1	1	09 981 040	154742
RS 230-200	2 NO	1	1	09 981 036	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.

		mod. widths	pack. units	Article No.	EAN (4014712...)
250 V AC / 16 A					
RSS 016-001	1 CO	1	1	09 981 077	154957
RSS 016-100	1 NO	1	1	09 981 070	154896
RSS 016-200	2 NO	1	1	09 981 071	154902
250 V AC / 16 A with LED					
RSS 016-100L	1 NO	1	1	09 981 075	154933
RSS 016-200L	2 NO	1	1	09 981 076	154940

Accessories: spacers DHDS
on Page: 112

control switches RSS (toggle design)

The RSS control switches with toggle are suitable for switching electrical consumers.

		mod. widths	pack. units	Article No.	EAN (4014712...)
250 V AC / 16 A					
RSS 016-300	3 NO	1	1	09 981 072	154919

Accessories: spacers DHDS
on Page: 112

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

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

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

		mod. widths	pack. units	Article No.	EAN
RG 016-001	1 CO	1	1	09 981 080	154971
RG 016-002	2 CO	1	1	09 981 081	154988

Accessories: spacers DHDS
on Page: **112**

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

		mod. widths	pack. units	Article No.	EAN
RSZ 024-100	1 NO	1	1	09 981 050	154827
230 V AC / 16 A					
RSZ 230-100	1 NO	1	1	09 981 051	154834

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

		mod. widths	pack. units	Article No.	EAN
SIR 16 L		1	1	09 500 153	064928

Accessories: spacers DHDS
on Page: **112**

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

		mod. widths	pack. units	Article No.	EAN
RT 016-100	1 NO	1	1	09 981 084	155008
RT 016-110	1 NC/1 NO	1	1	09 981 085	155015
250 V AC / 16 A with LED					
RT 016-110L	1 NC/1 NO	1	1	09 981 086	155022

Accessories: spacers DHDS
on Page: **112**

Accessories

automatic reclosing devices DFA 2

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

		mod. widths	pack. units	Article No.	EAN
DFA 2	24 V AC/DC, Switch-on attempts: 1	4	1	09 100 110	205598
DFA 2-1	24 V AC/DC, Switch-on attempts: 1	4	1	09 100 112	208339
DFA 2-2	24 V AC/DC, Switch-on attempts: 1 or 3	4	1	09 100 113	208346
DFA 2-3	230 V AC , Switch-on attempts: 1 or 3	4	1	09 100 114	208445
DFA 2-4	230 V AC , Switch-on attempts: 1 or 3	4	1	09 100 115	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 (switches and push-buttons)

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

Accessories

automatic reclosing devices DFA 3

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

			mod. widths	pack. units	Article No.	EAN
DFA 3 012DC-0	12 V DC, Switch-on attempts: 0	NEW	1	1	09 100 140	240933
DFA 3 012DC-3	12 V DC, Switch-on attempts: 3	NEW	1	1	09 100 142	240957
DFA 3 024DC-0	24 V DC, Switch-on attempts: 0		1	1	09 100 141	240940
DFA 3 024DC-3	24 V DC, Switch-on attempts: 3		1	1	09 100 143	240964

Accessories

wiring components D0 busbars

Busbars, can be cut to length, Do fuse-switch-disconnector Tytan/Coron

		mod. widths	pack. units	Article No.	EAN
B G037-1-25/120 D0	fork, 1 x 25 mm², L1	37	1	09 980 143	049031
B G037-1-35/125 D0 iso	pin, 1 x 35 mm², L1	37	1	09 980 095	075955
B S037-1-16/080 D0	pin, 1 x 16 mm², L1	37	1	09 980 141	049017
B S039-2-35/125 D0	pin, 2 x 35 mm², L1, L2	38	1	09 980 096	075962
B S039-3-16/080 D0	pin, 3 x 16 mm², L1, L2, L3	39	1	09 980 142	049024
B S039-3-25/120 D0	pin, 3 x 25 mm², L1, L2, L3	39	1	09 980 145	049055
B S039-3-35/125 D0	pin, 3 x 35 mm², L1, L2, L3	39	1	09 980 097	075979
B S039-4-16/080 D0	pin, 4 x 16 mm², L1, L2, L3, N	36	1	09 980 093	063105
B S039-4-35/125 D0	pin, 4 x 35 mm², L1, L2, L3, N	36	1	09 980 098	075986

Accessories

retaining springs Coron 2

for using Do1 fuses

			pack. units	Article No.	EAN
Coron 2 HF			1	09 980 674	132153

Accessories

input terminals DK

for looping through supply line

			pack. units	Article No.	EAN
DK D0			1	09 980 140	049000

permissible connector cross-section 1.5 mm² - 35 mm²

Accessories

auxiliary switches DHi

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

		mod. widths	pack. units	Article No.	EAN
DHi 11	1 NC/1 CO, for DFS and DHS	0.5	1	09 200 040	198388

Accessories

restart locks RH-SPE/WES

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

			pack. units	Article No.	EAN
RH-SPE	for RH/AFDD/DRCBO 3/ELS 3		1	09 981 115	252677
WES	for DFS/ DHS		1	09 913 993	149656

Accessories

terminal caps KA/RH-KA

for protection against contact with voltage from leading terminals

			pack. units	Article No.	EAN
KA-DFS 2	sealable		1	09 200 011	089440
KA-DFS 4	sealable		1	09 200 012	123779
KA-RH			1	09 981 069	158023

Accessories

software DBS

For DHS 2, DHS 4

			pack. units	Article No.	EAN
DBS V2			1	09 917 979	249028

Download free-of-charge online at www.doepke.de

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accessories (switches and push-buttons)

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

Accessories — fuse plug sets DSE D0

electronic display, 50 - 400 V AC/ 50 - 250 V DC

			pack. units	Article No.	EAN
DSE D0-01	1 A, orange		1	09 980 676	276826
DSE D0-02	2 A, pink		1	09 980 677	276840
DSE D0-04	4 A, brown		1	09 980 678	276864
DSE D0-06	6 A, green		1	09 980 679	276888
DSE D0-10	10 A, red		1	09 980 680	276901
DSE D0-13	13 A, black		1	09 980 681	276925
DSE D0-16	16 A, grey		1	09 980 682	276949
DSE D0-20	20 A, blue		1	09 980 683	276963
DSE D0-25	25 A, yellow		1	09 980 684	276987
DSE D0-32	32 A, purple		1	09 980 685	277007
DSE D0-35	35 A, black		1	09 980 686	277021
DSE D0-40	40 A, green		1	09 980 687	277045
DSE D0-50	50 A, white		1	09 980 688	277069
DSE D0-63	63 A, copper		1	09 980 689	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 V AC

			pack. units	Article No.	EAN
DSE D02-01 EI	1 A, purple	SELLOUT	1	09 980 109	048690
DSE D02-02 EI	2 A, pink	SELLOUT	1	09 980 110	048706
DSE D02-06 EI	6 A, green	SELLOUT	1	09 980 112	048720
DSE D02-10 EI	10 A, red	SELLOUT	1	09 980 113	048737
DSE D02-16 EI	16 A, grey	SELLOUT	1	09 980 114	048744
DSE D02-20 EI	20 A, blue	SELLOUT	1	09 980 115	048751
DSE D02-50 EI	50 A, white	SELLOUT	1	09 980 118	048782

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 V AC

			pack. units	Article No.	EAN
DSE D02-02 MI	2 A, pink	SELLOUT	1	09 980 120	048805
DSE D02-04 MI	4 A, brown	SELLOUT	1	09 980 121	048812
DSE D02-16 MI	16 A, grey	SELLOUT	1	09 980 124	048843
DSE D02-20 MI	20 A, blue	SELLOUT	1	09 980 125	048850
DSE D02-35 MI	35 A, black	SELLOUT	1	09 980 127	048874
DSE D02-40 MI	40 A, green	SELLOUT	1	09 980 641	201880
DSE D02-63 MI	63 A, copper	SELLOUT	1	09 980 129	048898

Standard series 230/400 V, 3 plugs, 3 fitted cartridges, 3 fuses, 1 box, for mounting the Tytan fuse-switch-disconnector.

Accessories — restart locks Tytan locks

		mod. widths	pack. units	Article No.	EAN
Tytan II D0 WES-K-bl	blue	3	1	09 980 136	048966
Tytan II D0 WES-K-ge	yellow	3	1	09 980 138	048980
Tytan II D0 WES-K-gn	green	3	1	09 980 137	048973
Tytan II D0 WES-K-rt	red	3	1	09 980 139	048997
Tytan II D0 WES-K-sw	black	3	1	09 980 135	048959
Tytan II D0 WES-M-bl	blue, 5A4	3	1	09 980 131	048911
Tytan II D0 WES-M-ge	yellow, 5A1	3	1	09 980 134	048942
Tytan II D0 WES-M-gn	green, 5A3	3	1	09 980 132	048928
Tytan II D0 WES-M-rt	red, 5A2	3	1	09 980 133	048935
Tytan II D0 WES-M-sw	black, 5A5	3	1	09 980 130	048904

K = plastic, M = metal

accessories (switches and push-buttons), installation relays, time relays, stairwell lighting time switches

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

Accessories — capacitor blocks RS-KB
for compensating for voltage increases

			mod. widths	pack. units	Article No.	EAN (4014712...)
RS-KB			1	1	09981096	158009

Accessories — spacers DHDS
for relays and installation contactors

			mod. widths	pack. units	Article No.	EAN (4014712...)
DHDS			0.5	1	09860401	250888

installation relays RI

The RI installation relays are suitable for switching single-phase consumers up to 20 A.

			mod. widths	pack. units	Article No.	EAN (4014712...)
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	SELLOUT	1	1	09981016	154629
RI 024-110 DC	1 NC/1 NO	SELLOUT	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

time relays RZ

multifunctional time relay with long time ranges

			mod. widths	pack. units	Article No.	EAN (4014712...)
RZM 128	AC/DC		1	1	09980715	151659
RZQ 248	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

			mod. widths	pack. units	Article No.	EAN (4014712...)
RTZ 2			1	1	09980719	151697
RTZ F			1	1	09980720	151703

1 NO contact, rated voltage 230 V AC, rated current 10 A

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

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timers, accessories (relays), installation contactors

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

timers Uno

The mechanical time switches from the Uno series control one electrical load circuit each via day and/or week programs.

		mod. widths	pack. units	Article No.	EAN (4014712...)
Uno D	daily program, 0 h Reserve power	1	1	09 800 033	151062
Uno QRD	daily program, 150 h Reserve power	1	1	09 800 034	151079
Uno QRS	daily program, weekly program, 150 h Reserve power	1	1	09 800 035	151086

1 NO contact, operating voltage 230 V AC

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.

		mod. widths	pack. units	Article No.	EAN (4014712...)
Data Micro +	1 CO	2	1	09 800 031	151048
Data Micro 2+	2 CO	2	1	09 800 032	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.

		mod. widths	pack. units	Article No.	EAN (4014712...)
DTSW Astro 1	2 CO	2	1	09 800 037	221420

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

		mod. widths	pack. units	Article No.	EAN (4014712...)
DHDS		0.5	1	09 860 401	250888

installation contactors HS 24 V AC

for switching one and three-phase consumers, low-noise design

024 V AC

			mod. widths	pack. units	Article No.	EAN (4014712...)
20 A						
HS 1-024AC/20-11	4.6 kW, 1 NC/1 NO	SELLOUT	1	1	09 980 403	067059
HS 1-024AC/20-20	4.6 kW, 2 NO		1	1	09 980 401	067035
24 A						
HS 2-024AC/24-13	5.5 kW, 3 NC/1 NO	SELLOUT	2	1	09 980 425	067318
HS 2-024AC/24-40	5.5 kW, 4 NO		2	1	09 980 421	067271
25 A						
HS 1-024AC/25-20	5.5 kW, 2 NO	SELLOUT	1	1	09 980 448	231078
HS 2-024AC/25-22	5.7 kW, 2 NC/2 NO	SELLOUT	2	1	09 980 432	107342
HS 2-024AC/25-40	5.7 kW, 4 NO	SELLOUT	2	1	09 980 407	067097
40 A						
HS 3-024AC/40-04	9 kW, 4 NC	SELLOUT	3	1	09 980 436	247901
HS 3-024AC/40-22	9 kW, 2 NC/2 NO	SELLOUT	3	1	09 980 433	107359
HS 3-024AC/40-40	9 kW, 4 NO		3	1	09 980 413	067158
63 A						
HS 3-024AC/63-22	14.3 kW, 2 NC/2 NO	SELLOUT	3	1	09 980 434	107366
HS 3-024AC/63-40	14.3 kW, 4 NO		3	1	09 980 417	067196

rated frequency (fixed): 50 Hz/60 Hz

Accessories: spacers DHDS, auxiliary switches HSH, seal caps HSP

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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	09 980 406	067080
HS 1-230AC/20-10	4.6 kW, 1 NO		1	1	09 980 442	158405
HS 1-230AC/20-11	4.6 kW, 1 NC/1 NO		1	1	09 980 404	067066
HS 1-230AC/20-20	4.6 kW, 2 NO		1	1	09 980 402	067042
24 A						
HS 2-230AC/24-13	5.5 kW, 3 NC/1 NO		2	1	09 980 426	067325
HS 2-230AC/24-31	5.5 kW, 1 NC/3 NO		2	1	09 980 424	067301
HS 2-230AC/24-40	5.5 kW, 4 NO		2	1	09 980 422	067288
25 A						
HS 1-230AC/25-20	5.5 kW, 2 NO		1	1	09 980 447	231061
HS 2-230AC/25-04	5.7 kW, 4 NC		2	1	09 980 427	075993
HS 2-230AC/25-13	5.7 kW, 3 NC/1 NO		2	1	09 980 412	067141
HS 2-230AC/25-22	5.7 kW, 2 NC/2 NO		2	1	09 980 431	107335
HS 2-230AC/25-30	5.7 kW, 3 NO		2	1	09 980 443	158412
HS 2-230AC/25-31	5.7 kW, 1 NC/3 NO		2	1	09 980 410	067127
HS 2-230AC/25-40	5.7 kW, 4 NO		2	1	09 980 408	067103
40 A						
HS 2-230AC/40-20S	9 kW, 2 NO		2	1	09 980 445	216716
HS 3-230AC/40-02	9 kW, 2 NC	SELLOUT	3	1	09 980 437	137073
HS 3-230AC/40-04	9 kW, 4 NC		3	1	09 980 435	118546
HS 3-230AC/40-20	9 kW, 2 NO	SELLOUT	3	1	09 980 439	151468
HS 3-230AC/40-22	9 kW, 2 NC/2 NO		3	1	09 980 429	107113
HS 3-230AC/40-30	9 kW, 3 NO		3	1	09 980 440	152540
HS 3-230AC/40-31	9 kW, 1 NC/3 NO		3	1	09 980 416	067189
HS 3-230AC/40-40	9 kW, 4 NO		3	1	09 980 414	067165
63 A						
HS 2-230AC/63-20S	14.3 kW, 2 NO		2	1	09 980 446	216723
HS 3-230AC/63-22	14.3 kW, 2 NC/2 NO		3	1	09 980 430	107120
HS 3-230AC/63-30	14.3 kW, 3 NO		3	1	09 980 438	148208
HS 3-230AC/63-31	14.3 kW, 1 NC/3 NO		3	1	09 980 420	247918
HS 3-230AC/63-40	14.3 kW, 4 NO		3	1	09 980 418	067202

rated frequency (fixed): 50 Hz/60 Hz

Accessories: spacers DHDS, auxiliary switches HSH, seal caps HSP
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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	09 980 450	236790
HS 2-230UC/25-31	5.7 kW, 1 NC/3 NO		2	1	09 980 452	236851
HS 2-230UC/25-40	5.7 kW, 4 NO		2	1	09 980 451	236820

rated frequency (fixed): DC, 50 Hz/60 Hz

Accessories: seal caps HSP, spacers DHDS
on Page: **115**

Accessories   ## auxiliary switches HSH

Auxiliary switches report the status of the main devices to which they are fitted. For low hum contactors HS 2/3.

HSH 11	1 NC/1 NO		0.5	1	09 980 497	067233

The HSH 11 is only suitable for the low-noise contactors HS 2 and HS 3.

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

accessories (installation contactors), undervoltage measuring relay,
load-shedding relays, mains field relays, twilight switches

Doepke

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

Accessories

seal caps HSP

for HS installation contactors

		mod. widths	pack. units	Article No.	EAN (4014712...)
HS P-20/25	for HS 2	2	1	09 980 498	067240
HS P-40/63	for HS 3	3	1	09 980 499	067257

Accessories

spacers DHDS

for relays and installation contactors

		mod. widths	pack. units	Article No.	EAN (4014712...)
DHDS		0.5	1	09 860 401	250888

undervoltage measuring relay RUR

Undervoltage monitoring for alternating voltage

		mod. widths	pack. units	Article No.	EAN (4014712...)
RUR 1	fixed 195.5 V AC, 3-phase	1	1	09 980 717	151673
RUR 3	3-phase	1	1	09 980 718	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

		mod. widths	pack. units	Article No.	EAN (4014712...)
RLR 1	instantaneous, for conventional continuous-flow heaters	1	1	09 980 283	076686
RLR 2	delayed, for electronic continuous-flow heaters	1	1	09 980 284	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

		mod. widths	pack. units	Article No.	EAN (4014712...)
FSE 1		1	1	09 700 108	048126

Switch-on threshold adjustable from 3-15 W, switch-off threshold 2-10 W, 1 NO contact

Accessories: *base load modules FS*
on Page: **117**

twilight switches EDS 16

for light-dependent control, adjustable switch-off threshold, fixed hysteresis

		mod. widths	pack. units	Article No.	EAN (4014712...)
EDS 16 mit LF 1	with LF 1 light sensor	2	1	09 500 110	047907
EDS 16 ohne LF 1	Single device without light sensor	2	1	09 500 121	048065

Adjustment range: 2 lux ... 1000 lux

Accessories: *sensors LF*
on Page: **117**

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: **118**

twilight switches Dasy TC

with programmable time switch for energy-saving night-time switch-off

16 A

Dasy 016-230 V TC - an	anthracite		1	09 500 048	236684
Dasy 016-230 V TC - 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: **118**

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

3-pole

DSP 10-3	4 bar ... 10.5 bar, 3 NC, 25 A	SELLOUT	1	09 921 063	208629

up to 6 bar

2-pole

DSP 06-2	1.5 bar ... 6 bar, 2 NC, 16 A	SELLOUT	1	09 921 060	208568

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

		mod. widths	pack. units	Article No.	EAN
Champ 1 GS-L 03 m	empty, 1 NO, H07RN-F 3G1		1	09 921 001	061729
Champ 1 GS-L 05 m	empty, 1 NO, H07RN-F 3G1		1	09 921 004	063020
Champ 1 GS-L 10 m	empty, 1 NO, H07RN-F 3G1		1	09 921 007	063051

Function "fill", NOC

with rubber cable, protective conductor

Champ 1 GS-F 03 m	fill, 1 NO, H07RN-F 3G1		1	09 921 002	063006
Champ 1 GS-F 05 m	fill, 1 NO, H07RN-F 3G1		1	09 921 005	063037
Champ 1 GS-F 10 m	fill, 1 NO, H07RN-F 3G1		1	09 921 008	063068

Function "fill/empty", NOC

with rubber cable

Champ 2 G-L/F 03 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 003	063013
Champ 2 G-L/F 05 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 006	063044
Champ 2 G-L/F 10 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 009	063075
Champ 2 G-L/F 20 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 019	129993

with rubber cable, protective conductor

Champ 2 GS-L/F 03 m	fill/empty, 1 CO, H07RN-F 4G1		1	09 921 053	221444
Champ 2 GS-L/F 05 m	fill/empty, 1 CO, H07RN-F 4G1		1	09 921 056	221451
Champ 2 GS-L/F 10 m	fill/empty, 1 CO, H07RN-F 4G1		1	09 921 059	221468

switching capacity 10 A at 250 V AC max, housing colour blue (RAL 5010), IP 68

Accessories: counterweights GGW
on Page: **118**

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	09 921 070	221475
Champ 2 G-L/F HD 10 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 071	221482
Champ 2 G-L/F HD 20 m	fill/empty, 1 CO, H07RN-F 3X1		1	09 921 072	221499

switching capacity 10 A at 250 V AC max, housing colour blue (RAL 5010), IP 68

Accessories: counterweights GGW
on Page: **118**

Accessories **sensors EDS 16**

Light sensor individual devices

LF 1			1	09 500 029	064553

Light value detection for up to 10 EDS etc.

Accessories **base load modules FS-GZ**

for the mains field relay FSE 1

FS-GZ			1	09 700 007	013476

Signals the switching status of the mains field relay and allows a base load to be easily switched on at the socket

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Accessories **base load modules FS-GE**

for the mains field relay FSE 1

FS-GE			1	09 700 006	013469

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.

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

Accessories — **mast brackets Dasy MH**

for mounting on masts and pipes

Dasy MH		1	09 500 049	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	09 921 010	063082

residual current analysis systems DRCA

DRCA-1-Set		1	09 352 050	199491

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: **118**

Type A — **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	09 352 058	241213
DRCA 1 CT 105	105 mm	1	09 352 059	241220

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	09 352 058	241213
DRCA 1 CT 105	105 mm	1	09 352 059	241220

indicator lights RL

Indicator lights with LED

RL 230-1GR	green	1	1	09 981 091	155046
RL 230-1RT	red	1	1	09 981 092	155053
RL 230-1W	white	1	1	09 981 090	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	09 980 028	040458
RDS 9	with hinged lid	2.5	1	09 980 698	131941

for distribution board installation

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

sensors, doorbell transformers, accessories (building systems technology)

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

SI System

sensors EDS 16

Light sensor individual devices

LF 1			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

		mod. widths	pack. units	Article No.	EAN
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: **119**

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: **119**

doorbell transformers RK

for converting the mains voltage 230 V into SELV

		mod. widths	pack. units	Article No.	EAN
RK 12	8/12 V; 2/2/1.5 A, cannot be switched off	2	1	09 980 033	040502
RK 12 S	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	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: **119**

Accessories

sensors SIWS

robust, maintenance-free anemometer and evaluation unit

SIWS	wind sensor, Reed contact, 250 mA		1	09 500 206	077539

Accessories

mounting kits 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 kits 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 e. V.
– as of January 2022 –

* 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 and rights of use 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.

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") for which the purchase price claim is due immediately or for which a payment period of up to and including 30 days after delivery, delivery with installation/assembly or receipt of invoice has been agreed for the due date of the purchase price claim shall remain the property of the Supplier until payment has been made in total.

2. In all other cases, 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.

3. 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.

4. 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.

5. (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 business person. 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. 4 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.

6. 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.

7. 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.

8. 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.

2. If non-observance of the times set is due to:

(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 %. 2 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 twoweek 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. The Supplies are free from Defects if upon the passing of the risk they comply with the subjective requirements, the objective requirements and the installation requirements pursuant to Sec. 434 German Civil Code („Bürgerliches Gesetzbuch"). If the parties have agreed on the quality of the Supplies („Beschaffenheitsvereinbarung"), the question whether the Supplies meet the objective requirements shall be determined exclusively by such agreement. Sentence 2 shall not apply if the last contract in the supply chain is a sale of consumer goods.

2. 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.

3. 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), and Sec. 634a para.1 No.2 BGB (defects of a building),

- in the case of intent,

- in the case of fraudulent concealment of the Defect or

- non-compliance with guaranteed characteristic ("Beschaffenheitsgarantie").

Claims for the reimbursement of expenses on the part of the Purchaser in accordance with Sec. 445a BGB (entrepreneur's right of recourse) shall likewise be subject to a statute of limitations of 12 months from the start of the statutory statute of limitations, provided the last contract in the supply chain is not a sale of consumer goods.

4. The legal provisions regarding suspension of the statute of limitations („Ablaufhemmung", „Hemmung") and recommencement of limitation periods shall be unaffected. The suspension of the statute of limitations according to Sec. 445b para. 2 BGB (limitation of right of recourse) shall in any case end no later than 5 years after the date on which the Supplier delivered the concerned item to the seller. This shall not apply if the last contract in the supply chain is a sale of consumer goods or in cases that are according to No. 3 Sentence 2 above.

5. Notifications of Defect by the Purchaser shall be given in written form without undue delay.

6. In the case of claims for Defects, the Purchaser may withhold payments to an amount that is in a reasonable proportion to the Defect. 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.

7. The Supplier shall be given the opportunity to repair or to replace the defective good („Nacherfüllung") within a reasonable period of time.

8. 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. 12 shall be unaffected.

9. There shall be no claims based on Defect including but not limited 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, installation/ removal, or repair work carried out by the Purchaser or third parties and the consequences thereof are likewise excluded.

10. The Purchaser shall have no claim with respect to expenses incurred in the course of supplementary performance, 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. This applies accordingly to claims for the reimbursement of expenses on the part of the Purchaser in accordance with Sec. 445a BGB (entrepreneur's right of recourse), provided the last contract in the supply chain is not a sale of consumer goods.

11. The Purchaser's right of recourse against the Supplier pursuant Sec. 445a BGB (entrepreneur's right of recourse) 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.

12. 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 in the country of the place of delivery only, without infringing any third-party industrial property rights and copyrights (hereinafter referred to as "IPR"). 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. 3 AND IN ACCORDANCE WITH NO.4 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. 6, 7, 10, and 11 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 Purchaser 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 January 2022 –

* The original German text shall be the governing version.
** The so-called „Grüne Lieferbedingungen", hereinafter named „GL".

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 related hardware (such software hereinafter referred to as "Software"), as well as to the entire Supplies, to the extent that a breach of contract 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 not specifically covered by this Software Clause.

(d) The Supplier does not assume any obligation to perform 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 to use the Software in accordance with the Agreement. Unless otherwise agreed, the right to use refers to the country of destination of the hardware and within the territory of the European Union or of another signatory state to the Agreement on the European Economic Area. The right to use is limited to the agreed period of time, in the absence of such agreement, the right to use shall be unlimited in time.

(b) The following supplementary conditions shall apply where the right to use is subject to a time limit: The Purchaser shall use the Software solely on the hardware referred to in the contract documents (e.g. software product sheet), in the absence of such reference, the use shall be limited to the respective hardware supplied together 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 make useable 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 on which 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 and solely so 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 back-up copy.

(g) The Supplier grants the Purchaser the right to assign the right of use granted to it for software which is provided permanently to a third party. The Purchaser to whom the Software has not been provided for commercial resale shall pass on the right to use the Software only together with the device it has bought in combination with the Software from the Supplier. If the right to use is transferred to a third party, the Purchaser shall ensure that the right to 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 as are imposed herein. When doing so, the Purchaser may not retain copies of the Software. The Purchaser shall not be entitled to grant sublicenses. Where the Purchaser provides the Software to a third party, the Purchaser shall ensure that any existing export requirements are observed and shall hold the Supplier harmless in this respect.

(h) For Software for which the Supplier has only derived rights to use and that is no open source Software (third party software), the provisions of this No. 3 shall be amended and superseded by the conditions of use agreed between the Supplier and its licensor

to the extent that they refer to the Purchaser (such as an end user license agreement); the Supplier shall notify the Purchaser of such conditions and make them available upon 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 make the source code available or accessible to the Purchaser only to the extent stipulated in the conditions of use underlying the open source software. The Supplier shall notify the Purchaser of the fact that open source Software and pertaining conditions of use exist and make such conditions of use accessible to the Purchaser or, if required according to the conditions of use, provide the Purchaser with them.

(j) The use of the Software on more than one device or simultaneously at more than one workplace shall require a separate agreement on the right to use. The same shall apply if the Software is used in networks even if the Software is not copied for this purpose. In any of the afore-mentioned instances (hereinafter referred to as "Multiple License"), the following provisions (aa) and (bb) shall apply in addition to and superseding the provisions of this No. 3 (a) to (i):

(aa) 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 amended as follows: If the Software is provided via electronic communication media (e.g. via the internet) the risk shall pass 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 permanently, Article VIII GL shall be replaced by the following:

(a) Contractual claims based on Defects of the Software are subject to a limitation period of 12 months from the start of the statutory statute of limitations. The statutory limitation period shall apply to claims for damages based on intent and gross negligence and in the case of culpable injury to life, body or health. Insofar as longer periods are prescribed by law according to Sec. 438 para. No. 2 (buildings and things used for a building), and Sec. 634a para. 1 No. 2 (defects of a building) German Civil Code ("BGB") and in the case of intent, the fraudulently conceals the Defect or non-compliance with guaranteed characteristics ("Beschaffenheitsgarantie") the longer statutory periods shall apply. Claims for the reimbursement of expenses on the part of the Purchaser in accordance with Sec. 445a BGB (entrepreneur's right of recourse) shall be subject to a limitation period of 12 months from the start of the statutory statute of limitations, provided the last contract in the supply chain is not a sale of consumer goods. The legal provisions regarding suspension of the statute of limitations ("Ablaufhemmung", "Hemmung") and recommencement of limitation periods shall remain unaffected.

(b) The suspension of the statute of limitations according to Sec. 445b para. 2 BGB (limitation of right of recourse) shall in any case end no later than 5 years after the date on which the Supplier delivered the concerned item to the seller. This shall not apply if the last contract in the supply chain is a sale of consumer goods or in cases that are according to Sentence 3 (a) above.

(c) 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 occur in the latest version supplied to the Purchaser, and the Purchaser can

be reasonably expected to use it. The Sentence above shall not apply if the last contract in the supply chain is a sale of consumer goods.

(d) Notifications of Defect by the Purchaser shall be given in written form without undue delay. Defects and the relevant data processing environment shall be described as precisely as possible therein.

(e) Claims based on Defects do not exist in the case 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 amendments made by the Purchaser or third parties, and any consequences resulting therefrom; or
- incompatibility of the Software provided with the data processing environment of the Purchaser.

(f) 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.

(g) 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, 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 the Supplier access for remote maintenance if so requested.

(ff) The Purchaser shall have no claim with respect to expenses incurred in the course of supplementary performance, to the extent that expenses are increased because the subject matter 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. This applies accordingly to claims for the reimbursement of expenses on the part of the Purchaser in accordance with Sec. 445a BGB (entrepreneur's right of recourse), provided the last contract in the supply chain is not a sale of consumer goods.

(gg) The Purchaser's right of recourse against the Supplier pursuant to Sec. 445a BGB (entrepreneur's right of recourse) 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.

(h) 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.

(i) In the case of claims for Defects, the Purchaser may withhold payments to an amount that is in a reasonable proportion to the Defect. The Purchaser has no right to withhold payments to the extent that its claim of a Defect is time-barred. Unjustified notifications shall entitle the Supplier to reimbursement of its expenses by the Purchaser.

(j) Claims for damages shall furthermore be subject to Article XII GL. Any other claims of the Purchaser against the Supplier or its agents or any such claims exceeding the claims provided for in this No. 6, if based on a Defect, shall be excluded.

(2) In the case of Software not provided permanently, 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 occur in the latest version supplied to the Purchaser, and the Purchaser can be reasonably expected to use it.

(b) Notifications of Defect by the Purchaser shall be given in written form 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 including but not limited in the case 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 amendments made by the Purchaser or third parties, and any conse-

quences resulting therefrom; or
- 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, 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 the Supplier access for remote maintenance if so requested.

(f) If repair or replacement is unsuccessful, the Purchaser is entitled to terminate the contract without notice or reduce the remuneration, irrespective of any claims for damages it may have according to Article XII GL.

(g) Furthermore, the provisions of Art. XII GL shall apply in respect of claims for damages. Any other claims of the Purchaser against the Supplier or its agents or any such claims exceeding the claims provided for in this No. 6, if based on a Defect, shall be excluded.

7. Industrial property rights and copyright; defects in title

Article IX GL shall be replaced by the following:

Unless otherwise agreed, the Supplier shall provide the Supplies in the country of the place of delivery or within the territory of the European Union or of another signatory state to the Agreement on the European Economic Area without infringing any third-party industrial property rights and copyrights (hereinafter referred to as "IPR"). 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 temporarily provided Software within the statutory limitation period - 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 GL.

(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 itself 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. 7.1 (a) above, provisions of No. 6.1 (i) and No. 6.1 (f) first sentence shall apply mutatis mutandis in the event of an infringement of an IPR.

(5) Where other defects in title occur, the provisions of No. 6 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 No. 7, based on a defect in title, are excluded.

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Notes

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