

DFS Audio for maximum listening enjoyment

- Silver-plated connection terminals and solid silver-plated conductors
- High-purity, low-oxygen copper and large switching contacts
- Extremely low-impedance design makes inductive components ineffective
- Residual current protection without any loss of sound



Optimal sound quality with safety

No compromise — Fans of premium audio systems take sound quality seriously. After all, the trained ear of a sound expert can detect even the slightest audio aberrations, even those that can hardly be measured with technical instruments. Nonetheless, Hi-Fi fans may notice interference or loss of sound quality in their high-end audio systems when they use standard residual current circuit-breakers. Some even compromise on safety for the sake of sound quality by forgoing residual current circuit-breakers altogether for the circuit in which their audio system is connected. A highly risky decision!

This is where the DFS Audio comes in. Hi-Fi fans no longer have to choose between safety and optimal sound quality – now they can have both:
the mixed frequency sensitive residual current circuit-breaker (RCCB type F) reliably protects people and electrical installations from dangerous residual currents and prevents loss of sound quality at the same time thanks to its special design.

Protection of sound — The DFS Audio is designed to provide an unrestricted flow of current for unhindered sound quality from the connected audio equipment. This is made possible thanks to its particularly high-quality components, such as solid silver-plated connection terminals for conductors up to 50 mm², as well as solid silver-plated internal conductors made of high-purity, low-oxygen copper. With its large switching contacts with high contact pressure and a summation current transformer designed as a push-through transformer, the DFS Audio has an extremely low-impedance design. The special design also ensures that no undesirable inductive components become effective during normal operation.



Appearance — The DFS Audio also meets high demands for purely aesthetic appeal: it comes in classy vinyl black with pearl-white lettering. The silver-plated connection terminals combined with gold-plated terminal screws not only provide optimal sound quality but also add to the sophisticated look of the device.

Protection for people and systems — The DFS Audio is a type F device that detects pulsating DC and AC residual currents as well as residual currents with mixed frequencies not equal to 50 Hz. It therefore reliably protects people and installations, even when state-of-the-art equipment is used: today's audio devices are equipped with transformers or switch-mode power supplies. Switchmode power supplies can produce other large harmonic components – mixed frequencies – in the load current, in addition to the 50 Hz component. This is no problem for the DFS Audio: in normal operation it withstands mixed frequency fractions and surge currents, and even with mixed frequency residual currents it reliably trips in the event of a fault.

Technology and applications — The DFS Audio is available in a two (DFS 2 F Audio) or four-pole design (DFS 4 F Audio) with a rated residual current of 30 mA and for rated currents up to 63 A. The four-pole design is also available with neutral conductor on the right or left. It protects personal audio equipment as well as premium sound systems in professional settings, such as theatres, cinemas and concert halls.

Listen to
music while
staying safe.

PREMIUM MARKEN
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