

Protective devices with emergency switching-off function

- safe experimentation in instruction rooms and labs
- emergency switching-off circuit secure against wire breakage
- remain closed in the event of a voltage drop



The safest way to use electricity.

In case of emergency: switch off!

All-round protection in the lab and in experimentation rooms

Wherever electrical circuits are set up for experimentation and testing, emergency switching-off devices are advisable – and in some cases even mandatory in accordance with DIN VDE 0100-723. In labs and instruction rooms, for example, in addition to an AC-DC sensitive residual current device, an emergency switching-off circuit with remote operation must also be installed at each output. It must disconnect all active conductors including the neutral conductor.

DFS 4 NA

Doepke DFS 4 NA residual current circuit-breakers are an ideal solution for meeting the dual requirements of installation regulations. They combine reliable residual current protection with an integrated active additional device for monitoring the external emergency switching-off circuit. This is how they provide maximum safety: The emergency switching-off function is already active from a voltage of 50 V – the maximum permissible touch voltage. This is powered directly by the device through an internal adaptor. The DFS 4 NAs only take up 4.5 module widths on the DIN rail and – since no additional isolating device is needed – can even be installed in very confined spaces.

Constantly informed

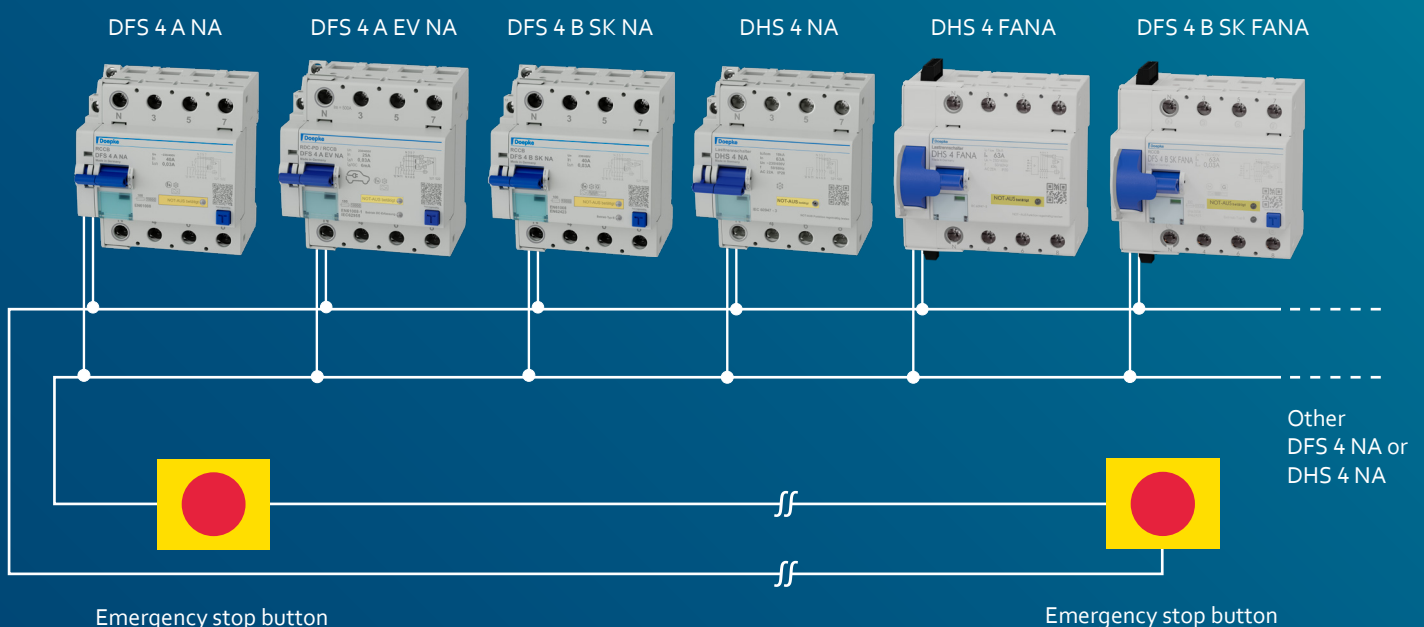
The integrated LED shows the status of the emergency switching-off circuit at all times. Remote signalling is also possible thanks to an integrated auxiliary switch (changeover contact). For maximum safety, the circuit-breaker can only be activated again once all associated emergency stop buttons have been reset.



The right switch for every emergency

- Variants** — Doepke DFS residual current circuit-breakers with emergency switching-off function are available as type B (AC-DC sensitive) and type A (pulsating DC/AC-sensitive) up to 125 A.
- E-Mobility** — The DFS 4 A EV NA has been developed specifically for use in electric vehicle charging equipment. It offers detection of 6 mA DC fault currents and an emergency switching-off function in one unit.
- Main switch** — Another product with an integrated emergency switching-off function is the DHS 4 NA switch-disconnector, which is used in main and sub-distribution boards. System parts can be safely disconnected under load or overload using the emergency switching-off function. The device can be switched off locally or remotely using a compatible emergency stop button. In combination with an AC-DC sensitive residual current circuit-breaker, the DHS 4 NA meets the requirements of DIN VDE 0100-723. The switch is available up to 125 A.
- Reliably off – conveniently back on** — The switch-disconnectors and residual current circuit-breakers DHS 4 FANA and DFS 4 FANA combine emergency switching-off function and remote actuator in 5 module widths. They allow for convenient reactivation after emergency switching-off via remote actuator, without the need for trips back and forth to the distribution board.

Safe and reliable disconnection with the emergency switching-off function.





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