

Residual current circuit-breaker
DFS 4 NA

Doepke

Two in one: residual current protection with emergency stop function

DFS 4 NA - easy installation thanks to compact dimensions
of just 4.5 module widths

- emergency stop circuit secure against wire breakage
- integrated auxiliary switch for remote signalling
- LED indicates when 'emergency stop engaged'



In case of emergency: systems OFF!

The Doepke DFS 4 NA residual current circuit-breaker offers all-round protection in labs and experimentation rooms. It combines two important safety functions in one device, as it delivers reliable residual current protection and monitors the external emergency stop circuit at the same time. It does so through an integrated active additional device, which can also be used to operate multiple DFS 4 NA devices in parallel. Doepke therefore offers the ideal solution for meeting the double requirements set out in installation regulations with just one circuit-breaker.

In schools, universities, training centres or test labs where electrical circuits are set up for experiments and tests, personal safety is always the top priority. That's why circuits with an emergency stop function are a sensible choice – or even a requirement under DIN VDE 0100-723 – in many places. In labs and experimentation and instruction rooms, for example, both an AC-DC sensitive residual current device and an emergency stop circuit with remote operation are required at each output. The emergency stop circuit must disconnect all active conductors including the neutral conductor. Conventional installations often require more space and may depend on auxiliary voltage. If the power fails, they may fail, too, and must then be switched on again manually.

Compact safety — Doepke has reached the highest safety standard with the active additional device it calls the DFS 4 NA. The emergency stop function is active from a voltage of just 50 V – the maximum permissible touch voltage. The great advantage of the DFS 4 NA is that the emergency stop circuit does not need to have an additional power supply. Instead the voltage it needs is provided directly by the device through an internal adaptor. Another benefit is that installation is especially easy thanks to the compact housing. The DFS 4 NA residual current circuit-breaker's space-saving dimensions of just 4.5 module widths and the fact that an additional isolating device is not necessary make installation possible even in very tight spaces. The DFS 4 NA residual current circuit-breaker is available in type A and type B (AC-DC sensitive) up to 125 A.



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



'Emergency stop' also the main switch- Another product series with an integrated emergency stop function is the DHS 4 NA switch-disconnector, which is used in main and sub-distribution boards in particular. In combination with the emergency stop function, system parts can be safely disconnected under load or overload in the event of an emergency. The device can be switched off directly on the device itself or remotely using a compatible emergency stop switch. The DHS 4 NA is also available up to 125 A.

experiment
safety





We are partner

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