

Test-proof and safe

The new ISΩ HD

- DFS ISΩ HD — test-proof residual current protection
- insulation resistance test measurement without disconnecting
- time saving improvement
- test results not affected by the electronics



Use electricity safely on construction sites: robust and test-proof

DIN VDE 0100-600 defines the requirements for initial and recurrent testing of electrical installations, as well as measurement of insulation resistance. Initial and periodic testing verifies that it is safe to use the installation and associated electrical equipment. Failing to complete these tests (recording the results) and allowing the use of faulty equipment contravenes health and safety law.

Doepke's ISΩ HD AC/DC sensitive residual current circuit breaker does not have to be disconnected during insulation resistance tests.

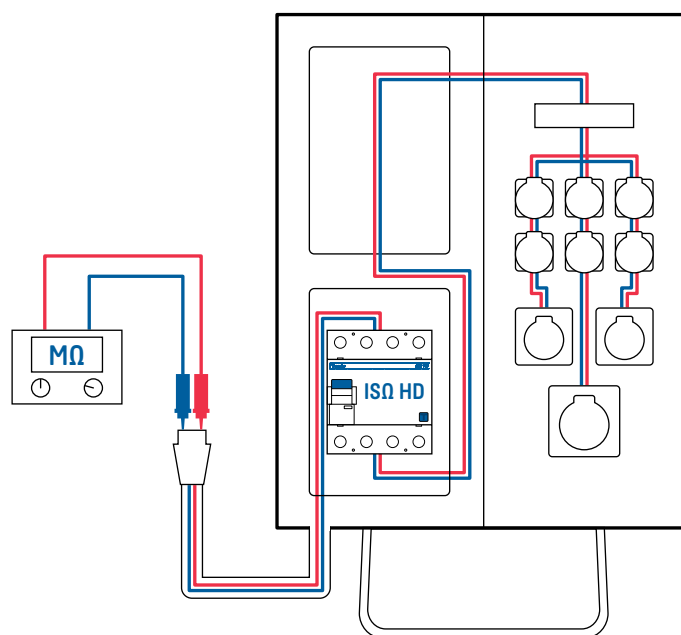
Test results not affected by the electronics

The AC-DC sensitive residual current circuit-breaker in the new ISΩ HD design has been conceived in such a way that, with a measured DC voltage of up to 1000 V, an insulation resistance measurement can be taken through the circuit-breaker without the measured values being falsified by the integrated electronics.

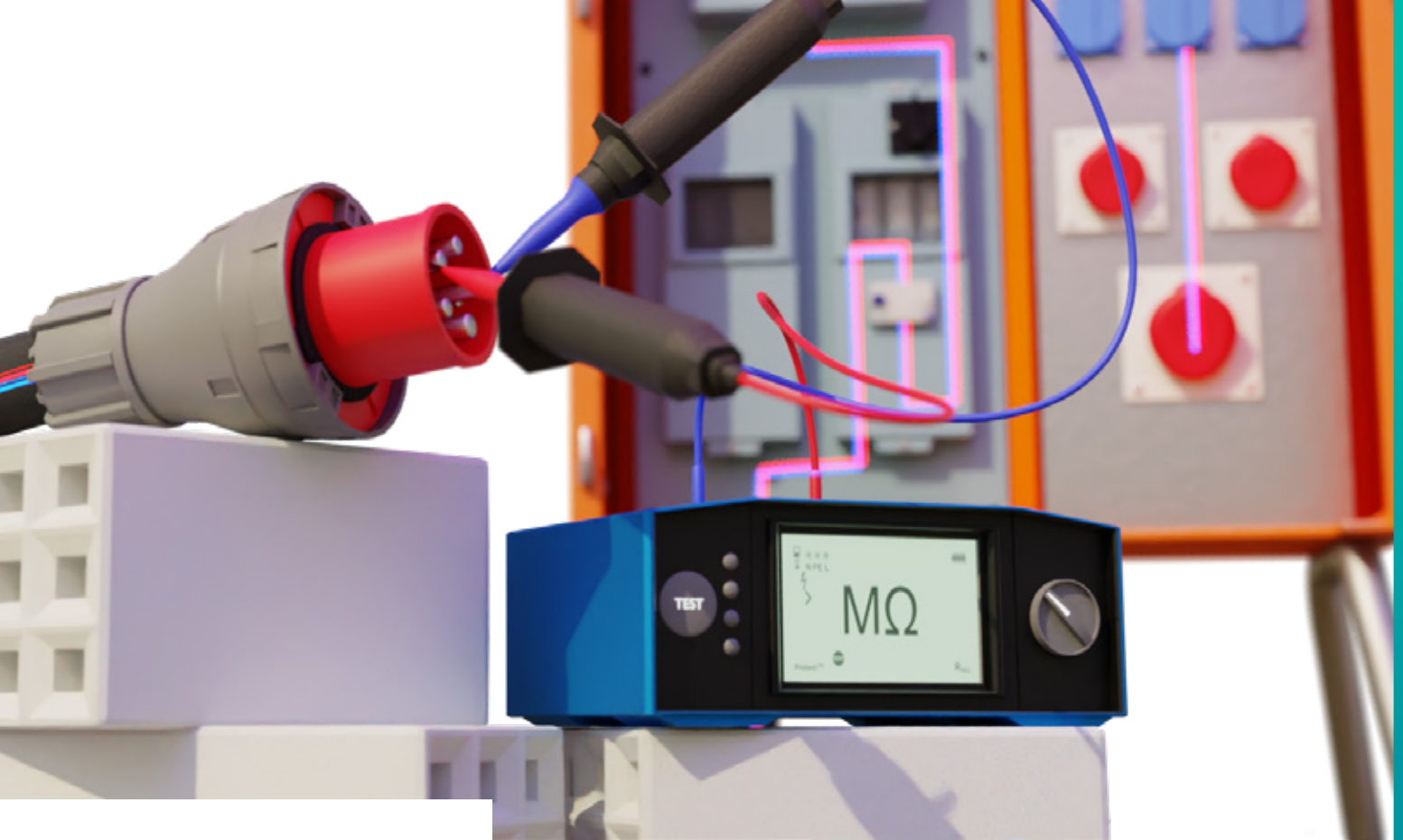
Time saving improvement

The ISΩ HD no longer needs to be disconnected before the insulation resistance measurement. This in itself considerably reduces the overall effort required. However, the actual testing time is also reduced. With building-site distribution boards, for example, it is possible to take measurements from the connection point, through the box, up to the last socket in a single step. The supply side and the system side no longer need to be measured separately.

New!
With the ISΩ HD,
you no longer need
to disconnect.



With power disconnected, the DFS ISΩ HD is switched on, in order to access the system during insulation measurement with the test voltage.



No mechanical stress due to repeated disconnection

Repeated tightening and loosening has an impact on screws and terminals. As there is no need to disconnect during the recurrent insulation measurements, this prevents excessive wear on the terminal screws.



HD (heavy duty) – for harsh environmental conditions

- _____ permanently safe function
- _____ increased unit protection also in de-energised state
- _____ resistant to:



frost



heat



dust



moisture



corrosive gases

Residual current circuit-breaker Type B SK IS Ω HD

Type B SK IS Ω HD, four-pole, neutral conductor on the left (residual current protection up to 150 kHz)

In (A)	description	I Δ n	item number
40	DFS 4 040-4/0.03-B SK ISO HD	30 mA	09 134 848HD
40	DFS 4 040-4/0.30-B SK ISO HD	300 mA	09 136 848HD
63	DFS 4 063-4/0.03-B SK ISO HD	30 mA	09 144 848HD
63	DFS 4 063-4/0.30-B SK ISO HD	300 mA	09 146 848HD
63	DFS 4 063-4/0.50-B SK ISO HD	500 mA	09 147 848HD

Type B SK IS Ω HD, four-pole, neutral conductor on the right (residual current protection up to 150 kHz)

In (A)	description	I Δ n	item number
40	DFS 4 040-4/0.03-B SK R ISO HD	30 mA	09 134 849HD
40	DFS 4 040-4/0.30-B SK R ISO HD	300 mA	09 136 849HD
63	DFS 4 063-4/0.03-B SK R ISO HD	30 mA	09 144 849HD
63	DFS 4 063-4/0.30-B SK R ISO HD	300 mA	09 146 849HD
63	DFS 4 063-4/0.50-B SK R ISO HD	500 mA	09 147 849HD



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