

Earth leakage protection Automatic recloser

RED 25...63 A A type 30 mA

Protection of people against direct and indirect contacts. Protection of installations against insulation faults. Disconnection of on-load electric circuits, already protected against overloads and short-circuits. Automatic restart after insulation monitoring of the downstream circuit.



Description

The RED, **RE**sidual current **D**evice recloser, is made up of a residual current device and a recloser.

A type

The RED **phase-to-neutral** residual current devices provide **A type** earth leakage protection: tripping due to sinusoidal AC residual currents as well as by continuous pulsed residual currents, whether they are applied quickly or increased slowly.

RED 25...63 A, A type

Common technical data

Earthing grounding systems	TT and TN-S only
Power supply	From top and bottom
Voltage rating (Ue)	230 V AC, +10 %, -15 %
Frequency rating	50 Hz
Current rating (In)	25, 40, 63 A
Impulse withstand voltage (Uimp)	4 kV
Insulation voltage (Ui)	500 V
8/20 μs wave immunity level	250 Å
Tropicalisation	Treatment 2 (relative humidity: 95 % at 55°C)
Operating temperature	-5°C to +40°C
Storage temperature	-20°C to +60°C
Weight (g)	350
Protection class	IP20 at terminals
Connection by tunnel terminal with guard	25 mm ² flexible cable or 35 mm ² rigid cable
Mounting	On DIN rail

Residual current device

Compliance with standards	IEC 61008, EN 61008
Making and breaking capacity, rated residual current (I _{Δm} =I _m)	630 A
Breaking capacity in association with protection device	6000 A (gL 63 A)
Tripping time	I _{Δn} : ≤ 300 ms 5I _{Δn} : ≤ 40 ms
Short-circuit current withstand (I _{Δc} = I _{nc})	See coordination table of circuit-breaker or fuse with A type RED
Number of cycles (O-C)	Mechanical: 1,000
Fixed sensitivity releases for all ratings	Instantaneous release
Test button min operating voltage	100 V

Recloser technical data

Max duration of a restart cycle	90 s
Number of restart operations	15/hour
Maximum number of consecutive restart attempts (if no earth fault)	3
Min interval between 2 closings	180 s
Insulation fault presence monitoring	Yes
Restart in event of transient insulation fault	Yes
Stopping restart cycle if insulation fault present	Yes
Power consumed by the electronics	S = 0 VA

Indication

RED status indication	Mechanical: by O-I (open-closed) 2-position lever Electrical: by 1 red indicator light on the front panel
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