

Product datasheet

Specifications



M9 - ID - RCCB - 4P - 40A -
F type - 100mA

M9R42440-S

Main

Range	M9
Product name	M9 ID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	ID
Device application	Distribution
Poles description	4P
Neutral position	Left
Line rated current	40 A
Network type	AC
Earth-leakage sensitivity	100 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type F
Standards	IEC/EN 62423
Product certifications	CE

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	380...415 V AC 50 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	I _{Δm} 500 A EN/IEC 61008-1
Rated conditional short-circuit current	I _{nc} 10 kA
[Ui] rated insulation voltage	440 V AC 50 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC/EN 60947-2
Surge current	250 A
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on

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Mounting support	35 mm symmetrical DIN rail
9 mm pitches	8
Height	81 mm
Width	72 mm
Depth	72 mm
Product weight	330 gr
Color	Grey
Mechanical durability	10,000 cycles
Electrical durability	2,000 cycles
Locking options	Padlocking device
Connections - terminals	Tunnel type terminal top or bottom 1 to 16 mm ² - rigid Tunnel type terminal top or bottom 1 to 10 mm ² - flexible or with ferrule
Wire stripping length	15 mm top or bottom connection
Tightening torque	3.5 N.m top or bottom

Environment

IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to IEC/EN 60947-2
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1
Tropicalization	2 conforming to IEC 60068-1
Relative humidity	95% at 55 °C
Ambient air temperature for operation	-25...40 °C
Ambient air temperature for storage	-40...60 °C

Order and shipping

Unit type of package 1	SA6
Number of units in package 1	1
Package 1 height	8.5 cm
Package 1 width	7.5 cm
Package 1 length	9.5 cm
Package 1 weight	360 gr
Unit type of package 2	GB2
Number of units in package 2	50
Package 2 height	19 cm
Package 2 width	40 cm
Package 2 length	50 cm
Package 2 weight	19 kg

Contractual warranty

24 months