

Product datasheet

Specifications



M9 N60N RCBO - 1P+N - 50A - B - 300mA - type AC

M9D146B50

Main

Range	M9
Product name	M9 N60N
Product or component type	RCCB with overcurrent protection (RCBO)
Device short name	N60N
Device application	Distribution
Poles description	1P+N
Neutral position	Right
Line rated current	50 A
Curve code	B
Network type	AC
Earth-leakage sensitivity	300 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Standards	IEC/EN 61009-1
Product certifications	CE

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	6000 A Icn at 230 V AC 50/60 Hz conforming to IEC/EN 61009-1
Magnetic tripping limit	6000 A at 230 V AC 50/60 Hz conforming to EN/IEC 61009-1
Residual current tripping technology	Voltage independent
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to IEC/EN 61009-1
[Ics] rated service breaking capacity	4500 A 75% x Icn conforming to IEC/EN 61009-1
[IΔm] Rated breaking and making capacity	6000 A at 230 V AC 50/60 Hz conforming to EN/IEC 61009-1
Limitation class	3 conforming to IEC/EN 61009-1
[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

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Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	72 mm
Product weight	195 g
Color	Grey
Mechanical durability	20,000 cycles
Electrical durability	10,000 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	14 mm top or bottom connection
Tightening torque	2.5 N.m top or bottom
Earth-leakage protection	Integrated

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
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	-30...70 °C

Order and shipping

Unit type of package 1	SA7
Number of units in package 1	1
Package 1 height	8.5 cm
Package 1 width	3.8 cm
Package 1 length	9.5 cm
Package 1 weight	215 gr
Unit type of package 2	S02b
Number of units in package 2	60
Package 2 height	20 cm

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Package 2 width	32 cm
Package 2 length	40 cm
Package 2 weight	14 kg

Contractual warranty

24 months