

## Product data sheet

### Characteristics

# MX9RC240

Residual current circuit breaker (RCCB),  
MAX9, 2P, 40A, 30mA, A type



### Main

Range	MAX9
Product or component type	Residual current circuit breaker (RCCB)
Poles description	2P
[In] rated current	40 A conforming to AS/NZS 61008.1
Network type	AC
Network frequency	50 Hz
Earth-leakage sensitivity	30 mA
[Ue] rated operational voltage	240 V

### Complementary

Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
Rated breaking and making capacity	Im 500 A at 240 V AC 50 Hz conforming to AS/NZS 61008.1
Rated conditional short-circuit current	MAX9 MCB: Inc 6 kA 40 A
[Ui] rated insulation voltage	440 V AC 50 Hz conforming to AS/NZS 61008.1
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Standards	IEC 61008-2-1 EN/IEC 61008-1
Quality labels	RCM
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	75 mm
Net weight	210 g
Colour	White (RAL 9003)
Mechanical durability	10000 cycles
Electrical durability	4000 cycles AC 50 Hz
Connections - terminals	Tunnel type terminals (top or bottom)
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom
Temperature derating table	40 °C ( 40 A ) 45 °C ( 37.5 A ) 50 °C ( 35 A ) 55 °C ( 32.5 A ) 60 °C ( 30 A ) 65 °C ( 27.5 A ) 70 °C ( 25 A )
Grid distance	35 mm

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## Environment

IP degree of protection	IP20
Pollution degree	2
Overvoltage category	III
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	214.0 g
Package 1 Height	8 cm
Package 1 width	9 cm
Package 1 Length	4 cm
Unit Type of Package 2	S03
Number of Units in Package 2	48
Package 2 Weight	11.788 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	6
Package 3 Weight	1.386 kg
Package 3 Height	9 cm
Package 3 width	25.4 cm
Package 3 Length	10.6 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>