

Product data sheet

Characteristics

R9D08640

Resi9, Residual current breaker with overcurrent protection (RCBO), 1P+N, 40A, C curve, 6000A, A type, 30mA



Main

Range	Resi9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + N
Number of protected poles	1
[In] rated current	40 A at 30 °C conforming to AS/NZS 61009.1
Network type	AC
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz
Quality labels	RCM

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Comb busbar and distribution block compatibility	YES
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	75 mm
Net weight	268 g
Grid distance	45 mm

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Connections - terminals	Tunnel type terminal - 1...16 mm ² - rigid Tunnel type terminal - 1...10 mm ² - flexible
Temperature derating table	-25 °C (38 A) -20 °C (37.5 A) -15 °C (37 A) -10 °C (36.4 A) -5 °C (35.9 A) 0 °C (35.4 A) 5 °C (34.8 A) 10 °C (34.3 A) 15 °C (33.7 A) 20 °C (33.2 A) 25 °C (32.6 A) 30 °C (40 A) 35 °C (31.4 A) 40 °C (30.8 A) 45 °C (30.2 A) 50 °C (29.5 A) 55 °C (28.9 A) 60 °C (28.2 A) 65 °C (27.5 A) 70 °C (26.8 A)


Environment

Standards	IEC 61009-2-2 EN/IEC 61009-1 AS/NZS 61009.1
IP degree of protection	IP20
Pollution degree	2
Overtoltage category	III
Ambient air temperature for operation	-25...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.4 cm
Package 1 Width	4.15 cm
Package 1 Length	10.1 cm
Package 1 Weight	210 g
Unit Type of Package 2	CAR
Number of Units in Package 2	40
Package 2 Height	20 cm
Package 2 Width	29.9 cm
Package 2 Length	39.8 cm
Package 2 Weight	8.4 kg
Unit Type of Package 3	P06
Number of Units in Package 3	480
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	106.8 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations