Product data sheet
Characteristics

R9D08620
Residual current breaker with overcurrent protection (RCBO), Resi9, 1P+N, 20A, C curve, 6000A, A type, 30mA, 36mm wide



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	20 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
Connections - terminals	Tunnel type terminal - 1...16 mm² - rigid Tunnel type terminal - 1...10 mm² - flexible
Temperature derating table	-25 °C (23.8 A) -20 °C (23.5 A) -15 °C (23.1 A) -10 °C (22.8 A) -5 °C (22.5 A) 0 °C (22.1 A) 5 °C (21.8 A) 10 °C (21.5 A) 15 °C (21.1 A) 20 °C (20.7 A) 25 °C (20.4 A) 30 °C (20 A) 35 °C (19.6 A) 40 °C (19.2 A) 45 °C (18.8 A) 50 °C (18.4 A) 55 °C (18 A) 60 °C (17.6 A) 65 °C (17.2 A) 70 °C (16.7 A)

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Environment

Standards	IEC 61009-2-2 EN/IEC 61009-1 AS/NZS 61009.1
IP degree of protection	IP20
Pollution degree	2
Overvoltage 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	7.5 cm
Package 1 Width	3.6 cm
Package 1 Length	9.08 cm
Package 1 Weight	0.21 kg
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

EU RoHS Directive	Under investigation