

Product data sheet

Characteristics

R9D06616

Residual current breaker with overcurrent protection (RCBO), Resi9, 1P+N, 16A, C curve, 6000A, A type, 30mA, 18mm 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	16 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	2
Height	93 mm
Width	18 mm
Depth	73 mm
Net weight	136 g
Grid distance	45 mm

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Connections - terminals	Tunnel type terminal (top) - 1...16 mm ² - rigid Tunnel type terminal (top) - 1...10 mm ² - flexible Tunnel type terminal (bottom) - 1...10 mm ² - rigid Tunnel type terminal (bottom) - 1...6 mm ² - flexible
Temperature derating table	-25 °C (19.1 A) -20 °C (18.8 A) -15 °C (18.6 A) -10 °C (18.3 A) -5 °C (18 A) 0 °C (17.8 A) 5 °C (17.5 A) 10 °C (17.2 A) 15 °C (16.9 A) 20 °C (16.6 A) 25 °C (16.3 A) 30 °C (16 A) 35 °C (15.7 A) 40 °C (15.4 A) 45 °C (15 A) 50 °C (14.7 A) 55 °C (14.4 A) 60 °C (14 A) 65 °C (13.7 A) 70 °C (13.3 A)

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	6.58 cm
Package 1 Width	1.8 cm
Package 1 Length	9.6 cm
Package 1 Weight	141 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.6 cm
Package 2 Width	10.4 cm
Package 2 Length	24.4 cm
Package 2 Weight	1.88 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	72
Package 3 Height	20 cm
Package 3 Width	29.9 cm
Package 3 Length	39.8 cm
Package 3 Weight	12.29 kg

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Take-back	No
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	15
