

Product data sheet

Characteristics

MX9R3520

Residual current breaker with overcurrent protection (RCBO), MAX9, 3PN, 20A, 30mA, C Curve, 6000A, A type, 5 MOD



Main

| | |
|--------------------------------|---|
| Range | MAX9 |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Poles description | 3P + N |
| Number of protected poles | 3 |
| [In] rated current | 20 A at 30 °C conforming to AS/NZS 61009.1 |
| Network type | AC |
| Network frequency | 50 Hz |
| [Ue] rated operational voltage | 415 V AC 50 Hz |
| Curve code | C |
| Earth-leakage sensitivity | 30 mA |
| Earth-leakage protection class | Type A |

Complementary

| | |
|--|---|
| Earth-leakage protection time delay | Instantaneous |
| Breaking capacity | 6000 A Icn at 415 V AC 50 Hz |
| Limitation class | 3 |
| [Ui] rated insulation voltage | 440 V AC 50 Hz |
| [Uimp] rated impulse withstand voltage | 4 kV |
| 9 mm pitches | 10 |
| Height | 95 mm |
| Width | 90 mm |
| Depth | 75 mm |
| Net weight | 500 g |
| Connections - terminals | Tunnel type terminal - 1...16 mm ² - rigid Tunnel type terminal - 1...10 mm ² - flexible |
| Comb busbar and distribution block compatibility | YES |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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|----------------------------|--|
| 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) |
| Grid distance | 45 mm |






Environment

| | |
|---------------------------------------|---|
| Standards | IEC 61009-2-1 EN/IEC 61009-1 AS/NZS 61009.1 |
| Quality labels | RCM |
| 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 Weight | 498 g |
| Package 1 Height | 7.8 cm |
| Package 1 width | 9.1 cm |
| Package 1 Length | 9 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 16 |
| Package 2 Weight | 8.409 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |