

## Product data sheet

### Characteristics

# MX9R3125F

Clipsal MAX9, Residual Current Breaker with Overcurrent Protection (RCBO), 1PN, 25A, 30mA, C Curve, 6000A, A Type, SLIM, 40ms



#### Main

|                                |   |
|--------------------------------|---|
| Range                          | MAX9  |
| Product or component type      | Residual current breaker with overcurrent protection (RCBO) |
| Poles description              | 1P + N  |
| Number of protected poles      | 1   |
| [In] rated current             | 25 A at 30 °C conforming to AS/NZS 61009.1                  |
| Network type                   | AC  |
| Network frequency              | 50/60 Hz  |
| [Ue] rated operational voltage | 240 V AC 50/60 Hz   |
| Curve code                     | C   |
| Earth-leakage sensitivity      | 30 mA   |
| Earth-leakage protection class | Type A  |

#### Complementary

|  |   |
|--|---|
| Earth-leakage protection time delay              | 40 ms   |
| Breaking capacity                                | 6000 A Icn at 240 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  |
| 9 mm pitches                                     | 2   |
| Height   | 93 mm   |
| Width  | 18 mm   |
| Depth  | 73 mm   |
| Net weight                                       | 136 g   |
| Connections - terminals                          | Tunnel type terminal (top) - 1...16 mm <sup>2</sup> - rigid<br>Tunnel type terminal (top) - 1...10 mm <sup>2</sup> - flexible<br>Tunnel type terminal (bottom) - 1...10 mm <sup>2</sup> - rigid<br>Tunnel type terminal (bottom) - 1...6 mm <sup>2</sup> - flexible |
| Comb busbar and distribution block compatibility | YES   |

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|                            |  |
|----------------------------|--|
| Temperature derating table | -25 °C ( 29.2 A )<br>-20 °C ( 28.8 A )<br>-15 °C ( 28.4 A )<br>-10 °C ( 28.1 A )<br>-5 °C ( 27.7 A )<br>0 °C ( 27.3 A )<br>5 °C ( 27 A )<br>10 °C ( 26.6 A )<br>15 °C ( 26.2 A )<br>20 °C ( 25.8 A )<br>25 °C ( 25.4 A )<br>30 °C ( 25 A )<br>35 °C ( 24.6 A )<br>40 °C ( 24.2 A )<br>45 °C ( 23.7 A )<br>50 °C ( 23.3 A )<br>55 °C ( 22.9 A )<br>60 °C ( 22.4 A )<br>65 °C ( 22 A )<br>70 °C ( 21.5 A ) |
| Grid distance              | 45 mm  |



## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | IEC 61009-2-2<br>EN/IEC 61009-1<br>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 Height             | 9.65 cm  |
| Package 1 Width              | 7.15 cm  |
| Package 1 Length             | 1.8 cm   |
| Package 1 Weight             | 154 g    |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 12       |
| Package 2 Height             | 8.6 cm   |
| Package 2 Width              | 24.4 cm  |
| Package 2 Length             | 10.3 cm  |
| Package 2 Weight             | 1.848 kg |
| Unit Type of Package 3       | CAR      |
| Number of Units in Package 3 | 60       |
| Package 3 Height             | 20 cm    |
| Package 3 Width              | 30 cm    |
| Package 3 Length             | 40 cm    |
| Package 3 Weight             | 9.74 kg  |

## 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   |
| Sustainable packaging    | Yes   |
| China RoHS Regulation    |  <a href="#">China RoHS Declaration</a>        |

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|----------------------------|---|
| RoHS exemption information | <a href="#">Yes</a>                           |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a> |

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**Contractual warranty**

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|          |        |
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| Warranty | 7-year |
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