

# Product datasheet

Specifications



## Miniature Circuit Breaker, Max9, 3P+N, 32A, C curve, 6000A

MX9MN332

### Main

|                                |                           |
|--------------------------------|---------------------------|
| Range                          | MAX9                      |
| Product or component type      | Miniature circuit-breaker |
| Device application             | Distribution              |
| Poles description              | 3P + N                    |
| Number of protected poles      | 3                         |
| [In] rated current             | 32 A at 30 °C             |
| Network type                   | AC                        |
| Network frequency              | 50/60 Hz                  |
| [Ue] rated operational voltage | 415 V AC 50/60 Hz         |
| Curve code                     | C                         |
| Magnetic tripping limit        | 5...10 x In               |
| Colour                         | White (RAL 9003)          |

### Complementary

|                                        |                                                                                                                     |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Breaking capacity                      | 6000 A Icn at 415 V AC 50/60 Hz conforming to AS/NZS 60898                                                          |
| [Ics] rated service breaking capacity  | 6000 A 100 % - 415 V AC 50/60 Hz                                                                                    |
| Limitation class                       | 3                                                                                                                   |
| [Uimp] rated impulse withstand voltage | 4 kV                                                                                                                |
| [Ui] rated insulation voltage          | 400 V                                                                                                               |
| Contact position indicator             | Yes                                                                                                                 |
| Control type                           | Toggle                                                                                                              |
| Local signalling                       | ON/OFF indication                                                                                                   |
| Height                                 | 85 mm                                                                                                               |
| Width                                  | 53 mm                                                                                                               |
| Depth                                  | 71 mm                                                                                                               |
| Mechanical durability                  | 20000 cycles                                                                                                        |
| Electrical durability                  | 20000 cycles                                                                                                        |
| Connections - terminals                | Tunnel type terminals (top or bottom) 1...10 mm² flexible<br>Tunnel type terminals (top or bottom) 1...16 mm² rigid |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                                  |
| Tightening torque                      | 2 N.m                                                                                                               |

Disclaimer: 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

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

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quality labels                        | RCM                                                                                                                                                                                                                                                                                                                                                                                                                              |
| IP degree of protection               | IP20                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pollution degree                      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Relative humidity                     | 95 % at 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating altitude                    | 0...2000 m                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ambient air temperature for operation | -25...70 °C                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ambient air temperature for storage   | -40...85 °C                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Temperature derating table            | -25 °C ( 37.57 A )<br>-20 °C ( 37.09 A )<br>-15 °C ( 36.61 A )<br>-10 °C ( 36.13 A )<br>-5 °C ( 35.64 A )<br>0 °C ( 35.14 A )<br>5 °C ( 34.64 A )<br>10 °C ( 34.13 A )<br>15 °C ( 33.61 A )<br>20 °C ( 33.01 A )<br>25 °C ( 32.55 A )<br>30 °C ( 32.0 A )<br>35 °C ( 31.45 A )<br>40 °C ( 30.88 A )<br>45 °C ( 30.31 A )<br>50 °C ( 29.71 A )<br>55 °C ( 29.1 A )<br>60 °C ( 28.51 A )<br>65 °C ( 27.89 A )<br>70 °C ( 27.25 A ) |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 7.400 cm  |
| Package 1 Width              | 5.300 cm  |
| Package 1 Length             | 9.500 cm  |
| Package 1 Weight             | 370.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 8.300 cm  |
| Package 2 Width              | 9.600 cm  |
| Package 2 Length             | 21.800 cm |
| Package 2 Weight             | 1.534 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 44        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 17.413 kg |

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

|  Environmental footprint |   |
|-----------------------------------------------------------------------------------------------------------|---|
| Total lifecycle Carbon footprint                                                                          | 5 |

Use Better

|  Materials and Substances |                                           |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Packaging made with recycled cardboard                                                                     | No                                        |
| Packaging without single use plastic                                                                       | No                                        |
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant                                 |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>         |
| Halogen-free status                                                                                        | Product contains halogen above thresholds |
| PVC free                                                                                                   | No                                        |

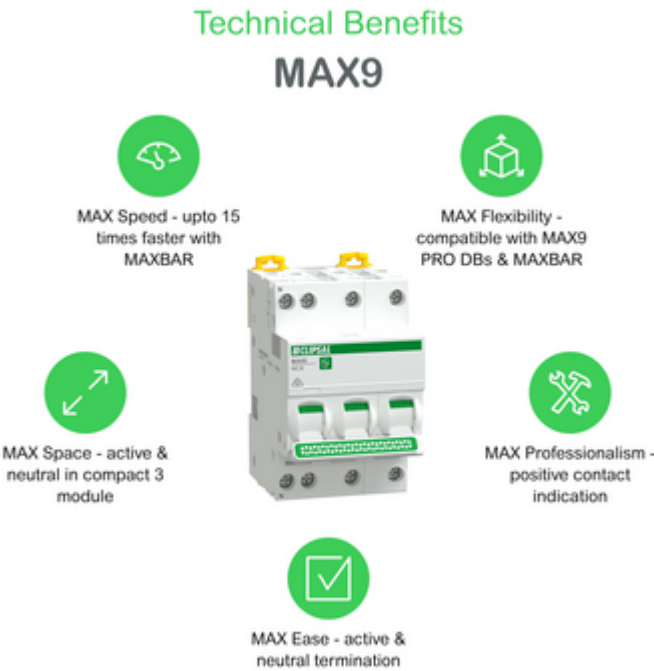
Use Again

|  Repack and remanufacture |                                          |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------|
| End of life manual availability                                                                              | No need of specific recycling operations |
| Take-back                                                                                                    | No                                       |

Offer Marketing Illustration

Product benefits / Features

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Technical Illustration

Assembly's dimensions

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