# Product Datasheet
MBN332A



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**MCB 3P 6kA B-32A 3M**

## Technical Features

| | |
|---|---|
| **Electric current** | |
| Rated current IN | 32 A |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 10 kA |
| Rated current at -15°C | 38.67 A |
| Rated current at -10°C | 37.93 A |
| Rated current at -5°C | 37.19 A |
| Rated current at 0°C | 36.45 A |
| Rated current at 5°C | 35.71 A |
| Rated current at 10°C | 34.97 A |
| Rated current at 15°C | 34.22 A |
| Rated current at 20°C | 33.48 A |
| Rated current at 25°C | 32.74 A |
| Rated current at 30°C | 32 A |
| Rated current at 35°C | 31.1 A |
| Rated current at 40°C | 30.2 A |
| Rated current at 45°C | 29.29 A |
| Rated current at 50°C | 28.39 A |
| Rated current at 55°C | 27.49 A |
| Rated current at 60°C | 26.59 A |
| Rated current at 65°C | 25.68 A |
| Rated current at 70°C | 24.78 A |
| Rated short-circuit breaking capacity Icn under 400 V AC according to IEC 60898-1 | 6 kA |
| **Architecture** | |
| Type of pole | 3P |
| Curve | B |
| **Capacity** | |
| Number of modules | 3 |
| **Main electrical attributes** | |
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 6 kA |
| **Installation, mounting** | |
| Nominal tightening torque top terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |
| **Voltage** | |
| Rated operational voltage Ue | 400 - 400 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 4000 V |
| **Frequency** | |
| Frequency | 50 - 60 Hz |
| **Connection** | |
| Cross-section of top and bottom terminal with screws, for rigid conductors | 1 - 35 $mm^2$ |
| Cross-section of top and bottom terminal with screws, for flexible conductors | 1 - 25 $mm^2$ |
| Cross-section of top terminal with screws, for flexible conductors | 1 - 25 $mm^2$ |
| Cross-section of top terminal with screws, for rigid conductors | 1 - 35 $mm^2$ |
| Cross-section flexible conductor | 1 - 25 $mm^2$ |
| Cross-section rigid conductor | 1 - 35 $mm^2$ |
| **Installation, mounting** | |
| Nominal tightening torque | 2.80 - 2.80 Nm |
| Type of bottom connection for modular devices | biconnect |
| Type of top connection for modular devices | Screw terminal |
| 360° mounting position possible | Yes |

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|---|---|
| **Safety** | |
| Ingress Protection (IP) class | IP20 |
| Grid distance | 60 mm |
| **Use conditions** | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Class of energy limitation $I^2t$ | 3 |
| Air humidity protection | For all climates |
| Operating temperature | -25 - 70 °C |
| **Power** | |
| Power dissipation at IN | 13 W |
| **Connectivity** | |
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Type of connection | Screw terminal |
| **Dimensions** | |
| Height | 83 mm |
| Width | 52.50 mm |
| Depth | 70 mm |
| **Endurance** | |
| Electric endurance in number of cycles | 15000 |
| **Sustainability** | |
| RoHS conform | Yes |