

Circuit-breaker, 3p, 4000A, withdrawable part



Part no. IZM32N3-V40W-1
EP-500304

| General specifications | | |
|---|--|--|
| Product name | | Eaton IZM32/IN32 circuit-breaker |
| Part no. | | IZM32N3-V40W-1 |
| EAN | | 9010653018070 |
| Product Length/Depth | | 511 millimetre |
| Product height | | 514 millimetre |
| Product width | | 492 millimetre |
| Product weight | | 86.925 kilogram |
| Compliances | | IEC |
| Product Tradename | | IZM32/IN32 |
| Product Type | | Circuit-breaker |
| Product Sub Type | | None |
| Product Specification Details | | |
| Actuator color | | Green |
| Actuator type | | Push button |
| Adjustment range short-term delayed short-circuit release - max | | 40000 A |
| Adjustment range short-term delayed short-circuit release - min | | 2400 A |
| Adjustment range undelayed short-circuit release - max | | 60000 A |
| Adjustment range undelayed short-circuit release - min | | 8000 A |
| Ambient operating temperature - max | | 70 °C |
| Ambient operating temperature - min | | -20 °C |
| Ambient storage temperature - max | | 70 °C |
| Ambient storage temperature - min | | -20 °C |
| Amperage Rating | | 4000 A |
| Breaking time | | 40 ms |
| Closing delay via spring release | | 30 ms |
| Degree of protection | | IP20 IP41 with door sealing frame IP55 with protective cover |
| Device construction | | Built-in device slide-in technique (withdrawable) |
| Direction of incoming supply | | As required |
| Electrical connection type of main circuit | | Rail connection |
| Features | | Complete device with protection unit Motor drive optional |
| Fitted with: | | Switched-off indicator |
| Frame | | IZM32 |
| Mounting Method | | Withdrawable |
| Number of auxiliary contacts (change-over contacts) | | 4 |
| Number of auxiliary contacts (normally closed contacts) | | 0 |
| Number of auxiliary contacts (normally open contacts) | | 0 |
| Number of poles | | Three-pole |
| Number of standard mechanical operations per hour - max | | 60 |
| Operating sequence up to 690 V, 50/60 Hz (IEC/EN 60947) | | 85 kA |
| Overload release current setting - max | | 4000 A |
| Overload release current setting - min | | 1600 A |
| Overvoltage category | | III |
| Pollution degree | | 3 |
| Protection | | Selective operation |
| Rated impulse withstand voltage (Uimp) | | 8 kV AC |
| Rated insulation voltage (Ui) | | 1000 V |

| | | |
|---|--|--|
| Rated operating voltage (Ue) - min | | 690 V |
| Rated operating voltage (Ue) at AC - max | | 690 V |
| Rated short-circuit breaking capacity at 400 V, 50 Hz | | 85 kA |
| Rated short-circuit making capacity up to 440 V, 50/60 Hz | | 187 kA |
| Rated short-circuit making capacity up to 690 V, 50/60 Hz | | 187 kA |
| Rated short-time withstand current (t = 1 s) | | 85 kA |
| Rated short-time withstand current at 50/60 Hz (t = 3 s) | | 65 kA |
| Rated uninterrupted current (Iu) | | 4000 A |
| Rated uninterrupted current (Iu) at 50°C | | 4000 A |
| Rated uninterrupted current (Iu) at 60°C | | 3650 A |
| Rated uninterrupted current (Iu) at 70°C | | 3500 A |
| Release system | | Electronic release |
| Suitable for | | Main conducting paths with 85 kA in IT electrical power networks up to U = 440 V |
| Type | | Air circuit breakers/switch-disconnector Open circuit breaker |
| Utilization category | | B |
| Voltage rating at AC | | 690 V AC |
| Weight of fixed mounting version (3-pole) | | 70 kg |
| Weight of fixed mounting version (4-pole) | | 89 kg |
| Weight of fixed withdrawable version (3-pole) | | 88 kg |
| Weight of fixed withdrawable version (4-pole) | | 115 kg |