

Circuit-breaker, 3p, 2000A, withdrawable part



Part no. IZM32N3-V20W-1
EP-500299

| General specifications | | |
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| Product name | | Eaton IZM32/IN32 circuit-breaker |
| Part no. | | IZM32N3-V20W-1 |
| EAN | | 9010653018049 |
| Product Length/Depth | | 511 millimetre |
| Product height | | 514 millimetre |
| Product width | | 492 millimetre |
| Product weight | | 71.725 kilogram |
| Compliances | | IEC/EN 60947 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 | | 20000 A |
| Adjustment range short-term delayed short-circuit release - min | | 1200 A |
| Adjustment range undelayed short-circuit release - max | | 30000 A |
| Adjustment range undelayed short-circuit release - min | | 4000 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 | | 2000 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 |
| Heat dissipation at rated current with fixed mounting | | 190 W |
| 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 | | 2000 A |
| Overload release current setting - min | | 800 A |
| Overvoltage category | | III |
| Pollution degree | | 3 |
| Position of connection for main current circuit | | Back side |

| | | |
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| Power of withdrawable switch with cassette | | 380 W |
| Protection | | Selective operation |
| Rated impulse withstand voltage (U _{imp}) | | 8 kV AC |
| Rated insulation voltage (U _i) | | 1000 V |
| Rated operating voltage (U _e) - min | | 690 V |
| Rated operating voltage (U _e) 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 (I _u) | | 2000 A |
| Rated uninterrupted current (I _u) at 50°C | | 2000 A |
| Rated uninterrupted current (I _u) at 60°C | | 2000 A |
| Rated uninterrupted current (I _u) at 70°C | | 2000 A |
| Release system | | Electronic release |
| Suitable for | | Main conducting paths with 85 kA in IT electrical power networks up to U = 440 V |
| Terminal capacity (copper bar) | | 5 mm x 100 mm (3x) for fixed mounting (black) 5 mm x 100 mm (3x) for withdrawable units (black) |
| Type | | Air circuit breakers/switch-disconnector Open circuit breaker |
| Utilization category | | B |
| Voltage rating at AC | | 690 V AC |
| Weight of cassette version (3-pole) | | 34 kg |
| Weight of cassette version (4-pole) | | 38 kg |
| Weight of fixed mounting version (3-pole) | | 68 kg |
| Weight of fixed mounting version (4-pole) | | 86 kg |
| Weight of fixed withdrawable version (3-pole) | | 80 kg |
| Weight of fixed withdrawable version (4-pole) | | 102 kg |