

Circuit-breaker, 3p, 2500A, withdrawable part



**Part no.** IZM32H3-P25W-1  
EP-500226

| General specifications                                          |  |                                                                    |
|-----------------------------------------------------------------|--|--------------------------------------------------------------------|
| Product name                                                    |  | Eaton IZM32/IN32 circuit-breaker                                   |
| Part no.                                                        |  | IZM32H3-P25W-1                                                     |
| EAN                                                             |  | 9010653016700                                                      |
| Product Length/Depth                                            |  | 511 millimetre                                                     |
| Product height                                                  |  | 514 millimetre                                                     |
| Product width                                                   |  | 492 millimetre                                                     |
| Product weight                                                  |  | 86.925 kilogram                                                    |
| Compliances                                                     |  | IEC<br>IEC/EN 60947                                                |
| 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 |  | 25000 A                                                            |
| Adjustment range short-term delayed short-circuit release - min |  | 1500 A                                                             |
| Adjustment range undelayed short-circuit release - max          |  | 37500 A                                                            |
| Adjustment range undelayed short-circuit release - min          |  | 5000 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                                                 |  | 2500 A                                                             |
| Breaking time                                                   |  | 40 ms                                                              |
| Closing delay via spring release                                |  | 30 ms                                                              |
| Degree of protection                                            |  | IP20<br>IP41 with door sealing frame<br>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<br>Motor drive optional       |
| Fitted with:                                                    |  | Switched-off indicator                                             |
| Frame                                                           |  | IZM32                                                              |
| Heat dissipation at rated current with fixed mounting           |  | 200 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                          |  | 2500 A                                                             |
| Overload release current setting - min                          |  | 1000 A                                                             |
| Overvoltage category                                            |  | III                                                                |
| Pollution degree                                                |  | 3                                                                  |
| Position of connection for main current circuit                 |  | Back side                                                          |

|                                                           |  |                                                                                                    |
|-----------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|
| Power of withdrawable switch with cassette                |  | 500 W                                                                                              |
| Protection                                                |  | Universal protection and power measurement                                                         |
| 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     |  | 100 kA                                                                                             |
| Rated short-circuit making capacity up to 440 V, 50/60 Hz |  | 220 kA                                                                                             |
| Rated short-circuit making capacity up to 690 V, 50/60 Hz |  | 179 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)                          |  | 2500 A                                                                                             |
| Rated uninterrupted current (Iu) at 50°C                  |  | 2500 A                                                                                             |
| Rated uninterrupted current (Iu) at 60°C                  |  | 2500 A                                                                                             |
| Rated uninterrupted current (Iu) at 70°C                  |  | 2500 A                                                                                             |
| Release system                                            |  | Electronic release                                                                                 |
| Suitable for                                              |  | Main conducting paths with 100 kA in IT electrical power networks up to U = 440 V                  |
| Terminal capacity (copper bar)                            |  | 5 mm x 100 mm (4x) for fixed mounting (black)<br>5 mm x 100 mm (4x) for withdrawable units (black) |
| Type                                                      |  | Air circuit breakers/switch-disconnector<br>Open circuit breaker                                   |
| Utilization category                                      |  | B                                                                                                  |
| Voltage rating at AC                                      |  | 690 V AC                                                                                           |
| Weight of cassette version (3-pole)                       |  | 58 kg                                                                                              |
| Weight of cassette version (4-pole)                       |  | 60 kg                                                                                              |
| 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                                                                                             |