

## Circuit-breaker, 3p, 1250A, fixed

Part no. IZM32H3-P12F-1  
EP-500219

| General specifications                                          |  |                                                                    |
|-----------------------------------------------------------------|--|--------------------------------------------------------------------|
| Product name                                                    |  | Eaton IZM32/IN32 circuit-breaker                                   |
| Part no.                                                        |  | IZM32H3-P12F-1                                                     |
| EAN                                                             |  | 9010653016649                                                      |
| Product Length/Depth                                            |  | 511 millimetre                                                     |
| Product height                                                  |  | 514 millimetre                                                     |
| Product width                                                   |  | 492 millimetre                                                     |
| Product weight                                                  |  | 60.325 kilogram                                                    |
| Compliances                                                     |  | IEC/EN 60947<br>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 |  | 12500 A                                                            |
| Adjustment range short-term delayed short-circuit release - min |  | 750 A                                                              |
| Adjustment range undelayed short-circuit release - max          |  | 18750 A                                                            |
| Adjustment range undelayed short-circuit release - min          |  | 2500 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                                                 |  | 1250 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 fixed built-in technique                           |
| 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           |  | 70 W                                                               |
| Mounting Method                                                 |  | Fixed                                                              |
| 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                          |  | 1250 A                                                             |
| Overload release current setting - min                          |  | 500 A                                                              |
| Overvoltage category                                            |  | III                                                                |
| Pollution degree                                                |  | 3                                                                  |
| Position of connection for main current circuit                 |  | Back side                                                          |

|                                                           |  |  |                                                                                                  |
|-----------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------|
| Power of withdrawable switch with cassette                |  |  | 140 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)                          |  |  | 1250 A                                                                                           |
| Rated uninterrupted current (Iu) at 50°C                  |  |  | 1250 A                                                                                           |
| Rated uninterrupted current (Iu) at 60°C                  |  |  | 1250 A                                                                                           |
| Rated uninterrupted current (Iu) at 70°C                  |  |  | 1250 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 80 mm (2x) for fixed mounting (black)<br>5 mm x 80 mm (2x) 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)                       |  |  | 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                                                                                           |