

## Circuit-breaker, 4p, 1600A, fixed

**Part no.**                    **IZM32N4-P16F-1**  
**EP-500311**

Product name	Eaton IZM32/IN32 circuit-breaker
Part no.	IZM32N4-P16F-1
EAN	9010653018162
Product Length/Depth	511 millimetre
Product height	514 millimetre
Product width	492 millimetre
Product weight	74.67 kilogram
Compliances	IEC/EN 60947 IEC
Product Tradename	IZM32/IN32
Product Type	Circuit-breaker
Product Sub Type	None
Actuator color	Green
Actuator type	Push button
Adjustment range short-term delayed short-circuit release - max	16000 A
Adjustment range short-term delayed short-circuit release - min	960 A
Adjustment range undelayed short-circuit release - max	24000 A
Adjustment range undelayed short-circuit release - min	3200 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	1600 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 fixed built-in technique
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	120 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	Four-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	1600 A
Overload release current setting - min	640 A
Overvoltage category	III
Pollution degree	3
Position of connection for main current circuit	Back side
Power of withdrawable switch with cassette	240 W

Protection		Universal protection and power measurement
Rated impulse withstand voltage (U <sub>imp</sub> )		8 kV AC
Rated insulation voltage (U <sub>i</sub> )		1000 V
Rated operating voltage (U <sub>e</sub> ) - min		690 V
Rated operating voltage (U <sub>e</sub> ) 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		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 (I <sub>u</sub> )		1600 A
Rated uninterrupted current (I <sub>u</sub> ) at 50°C		1600 A
Rated uninterrupted current (I <sub>u</sub> ) at 60°C		1600 A
Rated uninterrupted current (I <sub>u</sub> ) at 70°C		1600 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 (2x) for fixed mounting (black) 5 mm x 100 mm (2x) 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