Circuit-breaker, 3p, 1250A, withdrawable part



Part no. IZM32H3-P12W-1 EP-500220

General specifications	
Product name	Eaton IZM32/IN32 circuit-breaker
Part no.	IZM32H3-P12W-1
EAN	9010653016632
Product Length/Depth	511 millimetre
Product height	514 millimetre
Product width	492 millimetre
Product weight	71.725 kilogram
Compliances	IEC
	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	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 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	70 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	1250 A
Overload release current setting - min	500 A
Overvoltage category	III
Pollution degree	3
Position of connection for main current circuit	Back side

Rated insulation voltage (Ue) - min Rated operating voltage (Ue) - min Rated operating voltage (Ue) - min Rated operating voltage (Ue) at AC - max Rated short-circuit breaking capacity at 400 V, 50/60 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 800 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated on interrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu)		
Rated impulse withstand voltage (Uimp) Rated operating voltage (Ue) - min Rated operating voltage (Ue) at AC - max Rated operating voltage (Ue) at AC - max Rated short-circuit breaking capacity at 400 V, 50 Hz Rated short-circuit breaking capacity at 400 V, 50 Hz Rated short-circuit making capacity up to 440 V, 50/80 Hz Rated short-circuit making capacity up to 590 V, 50/60 Hz Rated short-circuit making capacity up to 590 V, 50/60 Hz Rated short-tircuit making capacity up to 590 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current (t = 1 s) Rated uninterrupted current (tu) Rated uninterrupted current (tu) at 50°C Rated uninterrupted current (tu) at 50°C Rated uninterrupted current (tu) at 50°C Rated uninterrupted current (tu) at 70°C Rated uninterrupted current (tu)	Power of withdrawable switch with cassette	140 W
Rated insulation voltage (Ue) - min Rated operating voltage (Ue) - min Rated operating voltage (Ue) - min Rated operating voltage (Ue) at AC - max Rated short-circuit breaking capacity at 400 V, 50/60 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 800 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated on interrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu)	Protection	Universal protection and power measurement
Rated operating voltage (Ue) - min Rated operating voltage (Ue) at AC - max Rated short-circuit breaking capacity at 400 V, 50 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 590 V, 50/60 Hz Rated short-circuit making capacity up to 590 V, 50/60 Hz Rated short-circuit making capacity up to 590 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current (t = 1 s) Rated short-time withstand current (10) at 50°C Rated uninterrupted current (Rated impulse withstand voltage (Uimp)	8 kV AC
Rated operating voltage (Le) at AC - max Rated short-circuit breaking capacity at 400 V, 50 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 690 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C Release system Suitable for Release	Rated insulation voltage (Ui)	1000 V
Rated short-circuit breaking capacity ut 400 V, 50 Hz Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 690 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (flu) Rated uninterrupted current (flu) at 50°C Rated uninterrupted current (flu) at 60°C Rated uninterrupted current (flu) at 60°C Rated uninterrupted current (flu) at 70°C Release system Rated uninterrupted current (flu) at 70°C Rated uninterrupte	Rated operating voltage (Ue) - min	690 V
Rated short-circuit making capacity up to 440 V, 50/60 Hz Rated short-circuit making capacity up to 690 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted curr	Rated operating voltage (Ue) at AC - max	690 V
Rated short-circuit making capacity up to 690 V, 50/60 Hz Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (lu) Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted current (lu) at 70°C Release system Suitable for Release system Suitable for Simm x80 mm (2x) for fixed mounting (black) Simm x80 mm (2	Rated short-circuit breaking capacity at 400 V, 50 Hz	100 kA
Rated short-time withstand current (t = 1 s) Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (lu) Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted current (lu) at 70°C Release system Suitable for Release system Suitable for Terminal capacity (copper bar) Terminal capacity (copper bar) Terminal capacity (copper bar) Air circuit breakers/switch-disconnector Open circuit breakers Voltage rating at AC Weight of cassette version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed withdrawable version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed withdrawable version (3-pole)	Rated short-circuit making capacity up to 440 V, 50/60 Hz	220 kA
Rated short-time withstand current at 50/60 Hz (t = 3 s) Rated uninterrupted current (lu) Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 70°C Rated uninterrupted current (lu) at 70°C Release system Release system Suitable for Main conducting paths with 100 kA in IT electrical power networks up to U = 440 v 5 mm x 80 mm (2x) for fixed mounting (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) 690 V AC Weight of cassette version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) Rated uninterrupted current (lu) at 50°C 1250 A 1250	Rated short-circuit making capacity up to 690 V, 50/60 Hz	179 kA
Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 50°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 70°C Release system Release system Suitable for Remain capacity (copper bar) Terminal capacity (copper bar) Terminal capacity (copper bar) Type Utilization category Weight of cassette version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (3-pole) Weight of fixed withdrawable version (3-pole) ### Voltage rating at AC	Rated short-time withstand current (t = 1 s)	85 kA
Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C Release system Suitable for Terminal capacity (copper bar) Type Utilization category Weight of cassette version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (3-pole) Weight of fixed withdrawable version (3-pole) Weight of fixed withdrawable version (3-pole) Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current	Rated short-time withstand current at 50/60 Hz (t = 3 s)	65 kA
Rated uninterrupted current (lu) at 60°C Rated uninterrupted current (lu) at 70°C Release system Suitable for Terminal capacity (copper bar) Type Clilization category Voltage rating at AC Weight of cassette version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 1250 A 1250	Rated uninterrupted current (Iu)	1250 A
Rated uninterrupted current (Iu) at 70°C Release system Suitable for Terminal capacity (copper bar) Type Utilization category Weight of cassette version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 1250 A Electronic release Release system Main conducting paths with 100 kA in IT electrical power networks up to U = 440 v. 5 mm x 80 mm (2x) for fixed mounting (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) Air circuit breakers/switch-disconnector Open circuit breaker 8 90 V AC 34 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	Rated uninterrupted current (Iu) at 50°C	1250 A
Release system Suitable for Main conducting paths with 100 kA in IT electrical power networks up to U = 440 V Terminal capacity (copper bar) Smm x 80 mm (2x) for fixed mounting (black) Smm x 80 mm (2x) for withdrawable units (black) Smm x 80 mm (2x) for withdrawable units (black) Smm x 80 mm (2x) for withdrawable units (black) Smm x 80 mm (2x) for withdrawable units (black) Air circuit breakers/switch-disconnector Open circuit breaker Willization category B Voltage rating at AC Weight of cassette version (3-pole) Weight of cassette version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Rated uninterrupted current (Iu) at 60°C	1250 A
Suitable for Terminal capacity (copper bar) Type Simax 80 mm (2x) for fixed mounting (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) 5 mm x 80 mm (2x) for withdrawable units (black) Air circuit breakers/switch-disconnector Open circuit breaker Voltage rating at AC Weight of cassette version (3-pole) Weight of cassette version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Rated uninterrupted current (Iu) at 70°C	1250 A
Terminal capacity (copper bar) 5 mm x 80 mm (2x) for fixed mounting (black) 5 mm x 80 mm (2x) for withdrawable units (black) 4 ir circuit breakers/switch-disconnector Open circuit breaker Utilization category B Voltage rating at AC Weight of cassette version (3-pole) Weight of cassette version (4-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Release system	Electronic release
5 mm x 80 mm (2x) for withdrawable units (black) Air circuit breakers/switch-disconnector Open circuit breaker Utilization category B Voltage rating at AC Weight of cassette version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Suitable for	Main conducting paths with 100 kA in IT electrical power networks up to U = 440 V $$
Utilization category Utilizati	Terminal capacity (copper bar)	
Voltage rating at AC Weight of cassette version (3-pole) Weight of cassette version (4-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) Weight of fixed withdrawable version (3-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Туре	
Weight of cassette version (3-pole) Weight of cassette version (4-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Utilization category	В
Weight of cassette version (4-pole) Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Voltage rating at AC	690 V AC
Weight of fixed mounting version (3-pole) Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 80 kg	Weight of cassette version (3-pole)	34 kg
Weight of fixed mounting version (4-pole) Weight of fixed withdrawable version (3-pole) 86 kg 80 kg	Weight of cassette version (4-pole)	38 kg
Weight of fixed withdrawable version (3-pole) 80 kg	Weight of fixed mounting version (3-pole)	68 kg
	Weight of fixed mounting version (4-pole)	86 kg
Weight of fixed withdrawable version (4-pole) 102 kg	Weight of fixed withdrawable version (3-pole)	80 kg
	Weight of fixed withdrawable version (4-pole)	102 kg