



Eaton EP-500231

IZM32H3-V08W-1 . Circuit-breaker, 3p, 800A, withdrawable part

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PRODUCT NAME	Eaton IZM32/IN32 circuit-breaker
CATALOG NUMBER	EP-500231
PRODUCT LENGTH/DEPTH	511 mm
PRODUCT HEIGHT	514 mm
PRODUCT WIDTH	492 mm
PRODUCT WEIGHT	71.725 kg
COMPLIANCES	IEC IEC/EN 60947



Powering Business Worldwide

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AMPERAGE RATING	800 A
FEATURES	Complete device with protection unit Motor drive optional
ACTUATOR COLOR	Green
FITTED WITH:	Switched-off indicator
FRAME	IZM32
POLLUTION DEGREE	3
RATED UNINTERRUPTED CURRENT (IU)	800 A
UTILIZATION CATEGORY	B
BREAKING TIME	40 ms
MOUNTING METHOD	Withdrawable
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	8 kV AC
DEVICE CONSTRUCTION	Built-in device slide-in technique (withdrawable)
DIRECTION OF INCOMING SUPPLY	As required
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
ACTUATOR TYPE	Push button
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX	8000 A
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MIN	480 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	12000 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	1600 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
HEAT DISSIPATION AT RATED CURRENT WITH	30 W

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ECAD MODEL	ETN.IZM32H3-V08W
□□	eaton-circuit-breaker-mounting-izmx-inx-mccb-dimensions.eps eaton-circuit-breaker-izmx-inx-mccb-dimensions-004.eps

FIXED MOUNTING	
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 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	800 A
OVERLOAD RELEASE CURRENT SETTING - MIN	320 A
POWER OF WITHDRAWABLE SWITCH WITH CASSETTE	60 W
RATED INSULATION VOLTAGE (UI)	1000 V
OVERVOLTAGE CATEGORY	III
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
PROTECTION	Selective operation
VOLTAGE RATING AT AC	690 V AC
NUMBER OF POLES	Three-pole
DEGREE OF PROTECTION	IP20 IP41 with door sealing frame IP55 with protective cover

CLOSING DELAY VIA SPRING RELEASE	30 ms
TYPE	<ul style="list-style-type: none"> • Air circuit breakers/switch-disconnector • Open circuit breaker
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
RELEASE SYSTEM	Electronic release
SUITABLE FOR	Main conducting paths with 100 kA in IT electrical power networks up to U = 440 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	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 (IU) AT 50°C	800 A
RATED UNINTERRUPTED CURRENT (IU) AT 60°C	800 A
RATED UNINTERRUPTED CURRENT (IU) AT 70°C	800 A
TERMINAL CAPACITY (COPPER BAR)	5 mm x 50 mm (2x) for fixed mounting (black) 5 mm x 50 mm (2x) for withdrawable units (black)

