Eaton 123152

Eaton Moeller series IZMX/INX - ACB. Eaton Moeller series IZMX/INX - ACB. Circuit-breaker 3p, 800A, withdrawable, H

PRODUCT NAME	Eaton Moeller series IZMX/INX circuit-breaker
CATALOG NUMBER	123152
PRODUCT LENGTH/DEPTH	584 mm
PRODUCT HEIGHT	597 mm
PRODUCT WIDTH	521 mm
PRODUCT WEIGHT	24.82 kg
COMPLIANCES	IEC IEC/EN 60947 RoHS conform

Powering Business Worldwide

USED WITH	Open circuit breaker Air circuit breakers/switch-disconnector
AMPERAGE RATING	800 A
FEATURES	Motor drive optional
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.

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10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
FITTED WITH:	Switched-off indicator
FRAME	IZMX16
POLLUTION DEGREE	3
RATED UNINTERRUPTED CURRENT (IU)	800 A
MOUNTING METHOD	Withdrawable
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	80 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	12 kV AC
UTILIZATION CATEGORY	B
DEVICE CONSTRUCTION	Built-in device slide-in technique
DIRECTION OF INCOMING SUPPLY	As required
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
ACTUATOR TYPE	Push button
SHORT-CIRCUIT RELEASE	2 - 10 x Ir

NON-DELAYED SETTING	
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX	8000 A
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MIN	1600 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	9600 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	1600 A
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	2
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)	42 kA
OVERLOAD RELEASE CURRENT SETTING - MAX	800 A
OVERLOAD RELEASE CURRENT SETTING - MIN	400 A
POWER OF WITHDRAWABLE SWITCH WITH CASSETTE	80 W
RATED INSULATION VOLTAGE (UI)	1000 V
LIFESPAN, MECHANICAL	20000 operations

	(switching capacity, with maintenance) 12500 switching cycles (ON/OFF)
OVERVOLTAGE CATEGORY	III
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	0 A
WEIGHT OF CASSETTE VERSION (3-POLE)	18 kg
WEIGHT OF CASSETTE VERSION (4-POLE)	21 kg
WEIGHT OF FIXED WITHDRAWABLE VERSION (3-POLE)	28 kg
WEIGHT OF FIXED WITHDRAWABLE VERSION (4-POLE)	33 kg
AMBIENT OPERATING TEMPERATURE DETAILS	Device with LCD-display - 20 °C - 70 °C
PROTECTION	Universal protection
VOLTAGE RATING AT AC	690 V AC
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	9600 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	8000 A
NUMBER OF POLES	Three-pole
DEGREE OF PROTECTION	IP20 IP55 with protective cover IP41 with door sealing frame
CLOSING DELAY VIA SPRING RELEASE	30 ms
LIFESPAN, ELECTRICAL	10000 operations (switching capacity) 10000 operations (switching cycles ON/OFF, with maintenance)
TYPE	• Air circuit breakers/switch-disconnector • Open circuit breaker
SPECIAL FEATURES	• Main terminals must be separately

	ordered. • suitable for zone selectivity • suitable for communication • integrated system monitor and 4-character display • optionally fittable by user with comprehensive accessories • These are values used in separate switchgear. The actual values will depend on the temperature around the circuit-breaker, which is influenced by the ambient temperature, the degree of protection (IP), the mounting height, the partitions, and any external ventilation. Depending on the specific switchgear design, this may result in derating, which can then be compensated for by increasing the cross-sectional area. Temperature rise tests in the specific switchgear can provide specific and detailed information.
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
SUITABLE FOR	Main conducting paths with 23 kA in IT electrical power networks up to U = 440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	800 A
RATED SHORT-CIRCUIT	65 kA

BREAKING CAPACITY AT 400 V, 50 HZ	
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 440 V, 50/60 HZ	137 kA
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 690 V, 50/60 HZ	88 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)	42 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
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	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)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:

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