

Eaton 183645

Eaton Moeller series IZMX/INX - ACB. Switch, disconnecter, 4 pole, 800A, without protection, IEC, Fixed, 16B4, 08F, 1

PRODUCT NAME	Eaton Moeller series IZMX/INX switch-disconnector
CATALOG NUMBER	183645
PRODUCT LENGTH/DEPTH	584 mm
PRODUCT HEIGHT	597 mm
PRODUCT WIDTH	521 mm
PRODUCT WEIGHT	23.37 kg
COMPLIANCES	IEC/EN 60947 IEC RoHS conform

USED WITH	Open switch-disconnector Air circuit breakers/switch-disconnector
AMPERAGE RATING	800 A
FEATURES	Motor drive optional Version as main switch Version as maintenance-/service switch
ACTUATOR COLOR	Green
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

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eaton-circuit-breaker-mounting-izmx-inx-mccb-dimensions.eps
eaton-circuit-breaker-mounting-izmx-inx-mccb-dimensions-002.eps

	be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
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.
FRAME	INX16
POLLUTION DEGREE	3
RATED UNINTERRUPTED CURRENT (IU)	800 A
MOUNTING METHOD	Fixed
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	59 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	12 kV AC
UTILIZATION CATEGORY	B
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	42 kA
DIRECTION OF	As required

INCOMING SUPPLY	
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	88 kA
ACTUATOR TYPE	Push button
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
HEAT DISSIPATION AT RATED CURRENT WITH FIXED MOUNTING	59 W
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
RATED INSULATION VOLTAGE (UI)	1000 V
LIFESPAN, MECHANICAL	12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance)
OVERVOLTAGE CATEGORY	III
SWITCHING POWER AT 400 V	0 kW
WEIGHT OF FIXED MOUNTING VERSION (4-POLE)	22 kg
AMBIENT OPERATING TEMPERATURE DETAILS	-20 °C - 70 °C
PROTECTION	None

VOLTAGE RATING AT AC	690 V AC
NUMBER OF POLES	Four-pole
DEGREE OF PROTECTION	IP31 with door seals IP55 with protective cover NEMA Other
CLOSING DELAY VIA SPRING RELEASE	25 ms
LIFESPAN, ELECTRICAL	10000 operations (switching capacity) 20000 operations (switching cycles ON/OFF, with maintenance)
DEGREE OF PROTECTION (FRONT SIDE)	IP31

TYPE	<ul style="list-style-type: none"> • Air circuit breakers/switch-disconnector • Open switch-disconnector
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SPECIAL FEATURES	<ul style="list-style-type: none"> • Optionally fittable by user with comprehensive accessories • Terminal capacity hint: 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
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	rise tests in the specific switchgear can provide specific and detailed information.
NUMBER OF SWITCHES	1
FUNCTIONS	Voltage release optional Interlockable
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
RELEASE SYSTEM	Without releases
SUITABLE FOR	Intermediate mounting Ground mounting Distribution board installation
RATED OPERATING POWER AT AC-23, 400 V	0 kW
RATED OPERATING POWER AT AC-3, 400 V	0 kW
RATED OPERATING VOLTAGE (UE) - MAX	690 V
RATED OPERATING VOLTAGE (UE) - MIN	690 V
RATED OPERATING VOLTAGE (UE) AT AC - MAX	690 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	800 A
RATED PERMANENT CURRENT AT AC-21, 400 V	0 A
RATED PERMANENT CURRENT AT AC-23, 400 V	800 A
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 440 V, 50/60 HZ	88 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
TERMINAL CAPACITY (COPPER BAR)	5 mm x 50 mm (2x) for fixed mounting (black)
WIDTH IN NUMBER OF MODULAR SPACINGS	18
HOUSING COLOR	Gray
HOUSING MATERIAL	Plastic

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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