Eaton 184075

Eaton Moeller series IZMX/INX - ACB. Switch, disconnector, 4 pole, 1600A, without protection, IEC, Fixed, 40B4, 16F, 1

PRODUCT NAME	Eaton Moeller series IZMX/INX switch-disconnector
CATALOG NUMBER	184075
PRODUCT LENGTH/DEPTH	584 mm
PRODUCT HEIGHT	597 mm
PRODUCT WIDTH	521 mm
PRODUCT WEIGHT	56 kg
COMPLIANCES	IEC IEC/EN 60947 RoHS conform

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USED WITH	Open switch-disconnector Air circuit breakers/switch-disconnector
AMPERAGE RATING	1600 A
FEATURES	Motor drive optional Version as maintenance-/service switch Version as main 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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	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	INX40
POLLUTION DEGREE	3
RATED UNINTERRUPTED CURRENT (IU)	1600 A
MOUNTING METHOD	Fixed
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	140 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)	66 kA
DIRECTION OF	As required

INCOMING SUPPLY	
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	144 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	140 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	25000 operations (switching capacity, with maintenance) 12500 switching cycles (ON/OFF)
OVERVOLTAGE CATEGORY	III
SWITCHING POWER AT 400 V	0 kW
WEIGHT OF FIXED MOUNTING VERSION (4-POLE)	50 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	35 ms
LIFESPAN, ELECTRICAL	20000 operations (switching cycles ON/OFF, with maintenance) 10000 operations (switching capacity)
DEGREE OF PROTECTION (FRONT SIDE)	IP31
TYPE	• Air circuit breakers/switch-disconnector • Open switch-disconnector
SPECIAL FEATURES	• 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

	rise tests in the specific switchgear can provide specific and detailed information.
NUMBER OF SWITCHES	1
FUNCTIONS	Interlockable Voltage release optional
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
RELEASE SYSTEM	Without releases
SUITABLE FOR	Ground mounting Intermediate 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)	1600 A
RATED PERMANENT CURRENT AT AC-21, 400 V	0 A
RATED PERMANENT CURRENT AT AC-23, 400 V	1600 A
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 440 V, 50/60 HZ	145 kA
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 690 V, 50/60 HZ	145 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)	66 kA
RATED SHORT-TIME WITHSTAND CURRENT AT 50/60 HZ (T = 3 S)	53 kA
RATED UNINTERRUPTED CURRENT (IU) AT 50°C	1600 A

RATED UNINTERRUPTED CURRENT (IU) AT 60°C	1600 A
RATED UNINTERRUPTED CURRENT (IU) AT 70°C	1600 A
TERMINAL CAPACITY (COPPER BAR)	80 mm x 10 mm (1x) for fixed mounting (black)
WIDTH IN NUMBER OF MODULAR SPACINGS	30
HOUSING COLOR	Gray
HOUSING MATERIAL	Plastic

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	

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