

Eaton 183330

Eaton Moeller series IZMX/INX - ACB. Circuitbreaker, 3p, 1600A, 42 kA, Selective operation, IEC, Fixed

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PRODUCT NAME	Eaton Moeller series IZMX/INX circuit-breaker
CATALOG NUMBER	183330
PRODUCT LENGTH/DEPTH	584 mm
PRODUCT HEIGHT	597 mm
PRODUCT WIDTH	521 mm
PRODUCT WEIGHT	18.715 kg
COMPLIANCES	IEC/EN 60947 IEC RoHS conform



USED WITH	Air circuit breakers/switch- disconnector Open circuit breaker
AMPERAGE RATING	1600 A
FEATURES	Motor drive optional Complete device with protection unit
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.
	Does not apply, since the
10.2.5 LIFTING	entire switchgear needs to be evaluated.
10.2.5 LIFTING 10.2.6 MECHANICAL IMPACT	_

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	eaton-circuit-breaker- izmx-inx-mccb- dimensions-011.eps

	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	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FITTED WITH:	Switched-off indicator
FRAME	IZMX16
FRAME POLLUTION DEGREE	IZMX16
110	
POLLUTION DEGREE RATED UNINTERRUPTED	3
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU)	3 1600 A
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT-	3 1600 A Fixed
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE	3 1600 A Fixed 235 W
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	3 1600 A Fixed 235 W 12 kV AC
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) UTILIZATION CATEGORY	3 1600 A Fixed 235 W 12 kV AC B Built-in device fixed built-
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) UTILIZATION CATEGORY DEVICE CONSTRUCTION	3 1600 A Fixed 235 W 12 kV AC B Built-in device fixed built-in technique
POLLUTION DEGREE RATED UNINTERRUPTED CURRENT (IU) MOUNTING METHOD EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT RATED IMPULSE WITHSTAND VOLTAGE (UIMP) UTILIZATION CATEGORY DEVICE CONSTRUCTION DIRECTION OF INCOMING SUPPLY ELECTRICAL CONNECTION TYPE OF	3 1600 A Fixed 235 W 12 kV AC B Built-in device fixed built-in technique As required
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URRENT SETTING - MAX OVERLOAD RELEASE URRENT SETTING - MIN ATED INSULATION OLTAGE (UI) 12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance) OVERVOLTAGE	OPERATING SEQUENCE UP TO 690 V, 50/60 HZ (IEC/EN 60947)	42 kA
ATED INSULATION OLTAGE (UI) 1000 V 12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance) VERVOLTAGE	OVERLOAD RELEASE CURRENT SETTING - MAX	1600 A
OLTAGE (UI) 12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance) VERVOLTAGE	OVERLOAD RELEASE CURRENT SETTING - MIN	640 A
(ON/OFF) 25000 operations (switching capacity, with maintenance) VERVOLTAGE	RATED INSULATION VOLTAGE (UI)	1000 V
	LIFESPAN, MECHANICAL	(ON/OFF) 25000 operations (switching capacity, with
	OVERVOLTAGE CATEGORY	III

SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	0 A
WEIGHT OF FIXED MOUNTING VERSION (3- POLE)	19 kg
AMBIENT OPERATING TEMPERATURE DETAILS	-20 °C - 70 °C
PROTECTION	Selective operation
VOLTAGE RATING AT AC	690 V AC
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	24000 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	16000 A
NUMBER OF POLES	Three-pole
DEGREE OF PROTECTION	IP31 with door seals IP31 IP55 with protective cover
CLOSING DELAY VIA SPRING RELEASE	30 ms
LIFESPAN, ELECTRICAL	10000 operations (switching capacity) 20000 operations (switching cycles ON/OFF, with maintenance)
ТҮРЕ	 Air circuit breakers/switch- disconnector Open circuit breaker
SPECIAL FEATURES	 Main terminals must be separately ordered. suitable for zone selectivity 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.

POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
RELEASE SYSTEM	Electronic release
RATED OPERATING VOLTAGE (UE) - MAX	690 V
RATED OPERATING VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1600 A
RATED SHORT-CIRCUIT BREAKING CAPACITY AT 400 V, 50 HZ	42 kA
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	1500 A
RATED UNINTERRUPTED CURRENT (IU) AT 60°C	1400 A
RATED UNINTERRUPTED CURRENT (IU) AT 70°C	1350 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	1200 A
TERMINAL CAPACITY (COPPER BAR)	5 mm x 100 mm (2x) for fixed mounting (black)
POWER LOSS	235 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
ПП:	



Eaton House 30 Pembroke Road Dublin 4, □□□ Eaton.com

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