

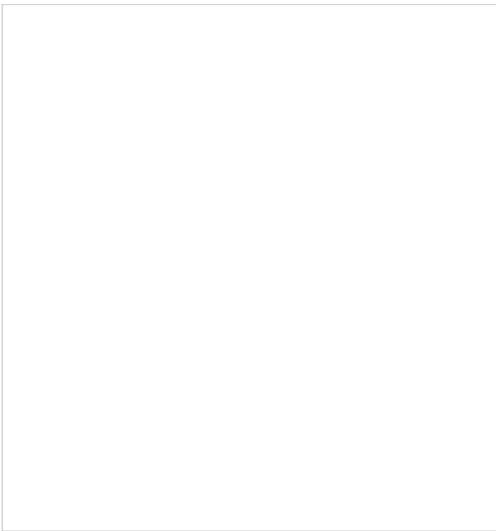
**AIR CIRCUIT BREAKER - IZMX/INX
SERIES**
183408


Overview


Specifications


Resources

Technical



183408

Eaton Moeller series IZMX/INX - ACB. Circuit-breaker with current measurement, IEC, Withdrawable

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184274

Eaton Moeller series IZMX/INX - ACB.
Shunt release 220-240 VAC/DC, 1

184254

Eaton Moeller series IZMX/INX - ACB.
Motor operator 208-240 VAC/DC, 16

184289

Eaton Moeller series IZMX/INX - ACB.
Closing release 220-240 VAC/DC, 1

183971

Eaton Moeller series IZMX/INX - ACB.
Connection 4p horizontal/vertical

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton Moeller series IZMX/INX circuit-breaker
		CATALOG NUMBER	183408
Product specifications	>	MODEL CODE	IZMX16N4-P08W-1
		EAN	4015081791446
		PRODUCT LENGTH/DEPTH	584 mm
		PRODUCT HEIGHT	597 mm
		PRODUCT WIDTH	521 mm
		PRODUCT WEIGHT	32.49 kg
		COMPLIANCES	IEC IEC/EN 60947 RoHS conform

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	800 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications must be observed.
POWER OF WITHDRAWABLE SWITCH WITH CASSETTE	80 W
NUMBER OF STANDARD MECHANICAL OPERATIONS PER HOUR - MAX	60
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications must be observed.
MOUNTING METHOD	Withdrawable
AMPERAGE RATING	800 A
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be lifted.
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX	8000 A
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
AMBIENT STORAGE TEMPERATURE - MIN	-20 °C
FITTED WITH:	Switched-off indicator
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	12000 A
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.

60947)	42 kA
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	80 W
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instruction leaflet (IL) is observed.
WEIGHT OF FIXED WITHDRAWABLE VERSION (4-POLE)	33 kg
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
RATED UNINTERRUPTED CURRENT (IU) AT 60°C	800 A
CLOSING DELAY VIA SPRING RELEASE	30 ms
RATED OPERATING VOLTAGE (UE) - MIN	690 V
FRAME	IZMX16
OVERLOAD RELEASE CURRENT SETTING - MIN	320 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	8000 A
TERMINAL CAPACITY (COPPER BAR)	5 mm x 50 mm (2x) for withdrawable units (black)
VOLTAGE RATING AT AC	690 V AC
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 690 V, 50/60 HZ	88 kA
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 440 V, 50/60 HZ	105 kA
POWER LOSS	80 W
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.
LIFESPAN, MECHANICAL	12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance)
OVERLOAD RELEASE CURRENT SETTING - MAX	800 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	600 A
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MIN	0 A
OVERVOLTAGE CATEGORY	III

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DEGREE OF PROTECTION	IP31 IP31 with door seals IP55 with protective cover
RATED SHORT-TIME WITHSTAND CURRENT (T= 1 S)	42 kA
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	2
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	1600 A
RELEASE SYSTEM	Electronic release
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	12 kV AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device.
RATED SHORT-CIRCUIT BREAKING CAPACITY AT 400 V, 50 HZ	50 kA
AMBIENT OPERATING TEMPERATURE DETAILS	-20 °C - 70 °C
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING - MAX	12000 A
TYPE	<ul style="list-style-type: none"> • Air circuit breakers/switch-disconnector • Open circuit breaker
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
RATED OPERATING VOLTAGE (UE) - MAX	690 V
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
DIRECTION OF INCOMING SUPPLY	As required
RATED UNINTERRUPTED CURRENT (IU) AT 50°C	800 A
RATED UNINTERRUPTED CURRENT (IU) AT 70°C	800 A
RATED INSULATION VOLTAGE (UI)	1000 V

Certification reports

Drawings

eCAD model

Installation videos

Manuals and user guides

mCAD model



Technical support

183408



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.

