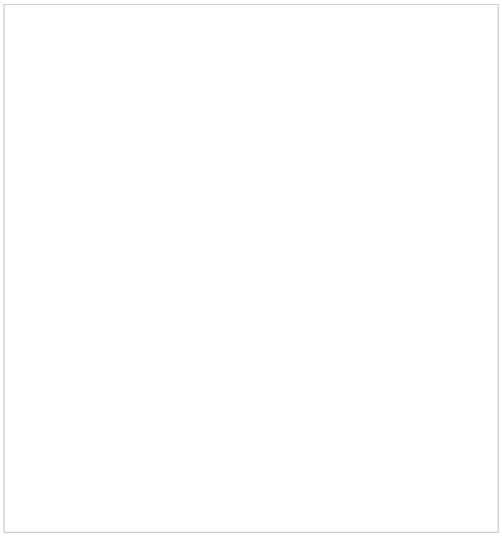
AIR CIRCUIT BREAKER - IZMX/INX SERIES

183409



183409

Eaton Moeller series IZMX/INX - ACB. Circuit-brea measurement, IEC, Withdrawable

Contact us about this product

Designed to work together

Discover other Eaton products and accessories built to enhance this product.

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 Connection 4p horizontal/vertica

View more View less

GENERAL SPECIFICATIONS

General specifications

Product specifications

PRODUCT NAME	Eaton Moeller series IZMX/INX circuit-breaker
CATALOG NUMBER	183409
MODEL CODE	IZMX16N4-P10W-1
EAN	4015081791453
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)	1000 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio must be observed.
POWER OF WITHDRAWABLE SWITCH WITH CASSETTE	125 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 specificatio must be observed.
MOUNTING METHOD	Withdrawable
AMPERAGE RATING	1000 A
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX	10000 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	15000 A
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.

ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MIN	600 A
PROTECTION	P measurement
ACTUATOR TYPE	Push button
SPECIAL FEATURES	• Cassette must be separately ordered. • External IZMX-DTP-PTM-1 voltage measuring module is suitable for 16 circuit breakers) • IZMX-DTP-PTM external voltage measuring mo • suitable for zone selectivity • suitable for communication • with integrated system monitor • with integrated test possibility • With graphic LCD display • optionally fittable by user with comprehensive ac • Terminal capacity hint: These are values used in The actual values will depend on the temperature breaker, which is influenced by the ambient temp protection (IP), the mounting height, the partitio ventilation. Depending on the specific switchgear result in derating, which can then be compensate the cross-sectional area. Temperature rise tests in switchgear can provide specific and detailed infor
SHORT-CIRCUIT RELEASE NON-DELAYED SETTING	1.5 - 10 x Ir
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Back side
DEVICE CONSTRUCTION	Built-in device slide-in technique (withdrawable)
WEIGHT OF CASSETTE VERSION (4-POLE)	21 kg
FEATURES	Complete device with protection unit Motor drive optional
LIFESPAN, ELECTRICAL	10000 operations (switching capacity) 20000 operations (switching cycles ON/OFF, with r
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Rail connection
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
UTILIZATION CATEGORY	B
NUMBER OF POLES	Four-pole
AMBIENT OPERATING TEMPERATURE - MIN	-20 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
RATED UNINTERRUPTED CURRENT (IU)	1000 A
USED WITH	Air circuit breakers/switch-disconnector Open circuit breaker
OPERATING SEQUENCE UP TO 690 V, 50/60 HZ (IEC/EN	

60947)	42 kA
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	125 W
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the inf 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	1000 A
CLOSING DELAY VIA SPRING RELEASE	30 ms
RATED OPERATING VOLTAGE (UE) - MIN	690 V
FRAME	IZMX16
OVERLOAD RELEASE CURRENT SETTING - MIN	400 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MAX	10000 A
TERMINAL CAPACITY (COPPER BAR)	5 mm x 60 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	125 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 mainten
OVERLOAD RELEASE CURRENT SETTING - MAX	1000 A
SHORT-CIRCUIT RELEASE DELAYED SETTING - MIN	750 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

OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP55 with protective cover IP31 with door seals IP31
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	2000 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 devi
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	15000 A
TYPE	• 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	1000 A
RATED UNINTERRUPTED CURRENT (IU) AT 70°C	1000 A
RATED INSULATION VOLTAGE (UI)	1000 V

Certification reports

Drawings

eCAD model

Installation videos

Manuals and user guides

mCAD model

Technical support

183409

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.