



## Eaton 183395

Eaton Moeller series IZMX/INX - ACB. Circuit-breaker, 3p, 630A, 42 kA, Selective operation, IEC, Fixed

183395

<b>PRODUCT NAME</b>	Eaton Moeller series IZMX/INX circuit-breaker
<b>CATALOG NUMBER</b>	183395
<b>PRODUCT LENGTH/DEPTH</b>	584 mm
<b>PRODUCT HEIGHT</b>	597 mm
<b>PRODUCT WIDTH</b>	521 mm
<b>PRODUCT WEIGHT</b>	18.715 kg
<b>COMPLIANCES</b>	IEC/EN 60947 IEC RoHS conform

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<b>AMPERAGE RATING</b>	630 A
<b>FEATURES</b>	Complete device with protection unit Motor drive optional
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF</b>	Does not apply, since the entire switchgear needs to

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<a href="#"><u>eaton-circuit-breaker-mounting-izmx-inx-mccb-dimensions-002.eps</u></a>
<a href="#"><u>eaton-circuit-breaker-mounting-izmx-inx-mccb-dimensions.eps</u></a>
<a href="#"><u>eaton-circuit-breaker-izmx-inx-mccb-dimensions-011.eps</u></a>

<b>ASSEMBLIES</b>	be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Switched-off indicator
<b>FRAME</b>	IZMX16
<b>POLLUTION DEGREE</b>	3
<b>LIFESPAN, MECHANICAL</b>	12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance)
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	630 A
<b>UTILIZATION CATEGORY</b>	B
<b>MOUNTING METHOD</b>	Fixed
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	36 W
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	12 kV AC
<b>DEVICE CONSTRUCTION</b>	Built-in device fixed built-in technique
<b>DIRECTION OF INCOMING SUPPLY</b>	As required
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Rail connection
<b>ACTUATOR TYPE</b>	Push button
<b>SHORT-CIRCUIT RELEASE NON-DELAYED SETTING</b>	1.5 - 10 x Ir

<b>ADJUSTMENT RANGE</b>	
<b>SHORT-TERM DELAYED</b>	6300 A
<b>SHORT-CIRCUIT RELEASE</b>	
<b>- MAX</b>	
<b>ADJUSTMENT RANGE</b>	
<b>SHORT-TERM DELAYED</b>	378 A
<b>SHORT-CIRCUIT RELEASE</b>	
<b>- MIN</b>	
<b>ADJUSTMENT RANGE</b>	
<b>UNDELAYED SHORT-</b>	9450 A
<b>CIRCUIT RELEASE - MAX</b>	
<b>ADJUSTMENT RANGE</b>	
<b>UNDELAYED SHORT-</b>	1260 A
<b>CIRCUIT RELEASE - MIN</b>	
<b>AMBIENT OPERATING</b>	
<b>TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING</b>	
<b>TEMPERATURE - MIN</b>	-20 °C
<b>AMBIENT STORAGE</b>	
<b>TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT STORAGE</b>	
<b>TEMPERATURE - MIN</b>	-20 °C
<b>HEAT DISSIPATION AT</b>	
<b>RATED CURRENT WITH</b>	36 W
<b>FIXED MOUNTING</b>	
<b>NUMBER OF AUXILIARY</b>	
<b>CONTACTS (CHANGE-</b>	2
<b>OVER CONTACTS)</b>	
<b>NUMBER OF AUXILIARY</b>	
<b>CONTACTS (NORMALLY</b>	0
<b>CLOSED CONTACTS)</b>	
<b>NUMBER OF AUXILIARY</b>	
<b>CONTACTS (NORMALLY</b>	0
<b>OPEN CONTACTS)</b>	
<b>NUMBER OF STANDARD</b>	
<b>MECHANICAL</b>	
<b>OPERATIONS PER HOUR -</b>	60
<b>MAX</b>	
<b>OPERATING SEQUENCE</b>	
<b>UP TO 690 V, 50/60 Hz</b>	42 kA
<b>(IEC/EN 60947)</b>	
<b>OVERLOAD RELEASE</b>	
<b>CURRENT SETTING - MAX</b>	630 A
<b>OVERLOAD RELEASE</b>	
<b>CURRENT SETTING - MIN</b>	252 A
<b>RATED INSULATION</b>	
<b>VOLTAGE (UI)</b>	1000 V
<b>OVERVOLTAGE</b>	
<b>CATEGORY</b>	III
<b>SHORT-CIRCUIT RELEASE</b>	
<b>NON-DELAYED SETTING -</b>	0 A
<b>MIN</b>	

<b>WEIGHT OF FIXED MOUNTING VERSION (3-POLE)</b>	19 kg
<b>AMBIENT OPERATING TEMPERATURE DETAILS</b>	-20 °C - 70 °C
<b>PROTECTION</b>	Selective operation
<b>VOLTAGE RATING AT AC</b>	690 V AC
<b>SHORT-CIRCUIT RELEASE</b>	
<b>NON-DELAYED SETTING - MAX</b>	9450 A
<b>SHORT-CIRCUIT RELEASE</b>	
<b>DELAYED SETTING - MAX</b>	6300 A
<b>NUMBER OF POLES</b>	Three-pole
<b>DEGREE OF PROTECTION</b>	IP55 with protective cover IP31 with door seals IP31
<b>CLOSING DELAY VIA SPRING RELEASE</b>	30 ms
<b>LIFESPAN, ELECTRICAL</b>	10000 operations (switching capacity) 20000 operations (switching cycles ON/OFF, with maintenance)
<b>TYPE</b>	<ul style="list-style-type: none"> <li>• Air circuit breakers/switch-disconnector</li> <li>• Open circuit breaker</li> </ul>
<b>SPECIAL FEATURES</b>	<ul style="list-style-type: none"> <li>• Main terminals must be separately ordered.</li> <li>• suitable for zone selectivity</li> <li>• optionally fittable by user with comprehensive accessories</li> <li>• 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</li> </ul>

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**

**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)** 630 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** 630 A

**RATED UNINTERRUPTED  
CURRENT (IU) AT 60°C** 630 A

**RATED UNINTERRUPTED  
CURRENT (IU) AT 70°C** 630 A

**SHORT-CIRCUIT RELEASE  
DELAYED SETTING - MIN** 472.5 A

**TERMINAL CAPACITY  
(COPPER BAR)** 5 mm x 50 mm (2x) for  
fixed mounting (black)

**POWER LOSS** 36 W

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**EATON**  
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