

## Eaton 184099

Eaton Moeller series IZMX/INX - ACB. Switch, disconnecter, 4 pole, 1600A, without protection, IEC, Withdrawable, 40N4, 16W, 1

<b>PRODUCT NAME</b>	Eaton Moeller series IZMX/INX - ACB
<b>CATALOG NUMBER</b>	184099
<b>PRODUCT LENGTH/DEPTH</b>	584 mm
<b>PRODUCT HEIGHT</b>	597 mm
<b>PRODUCT WIDTH</b>	521 mm
<b>PRODUCT WEIGHT</b>	86 kg
<b>COMPLIANCES</b>	IEC/EN 60947 IEC RoHS conform

<b>USED WITH</b>	Air circuit breakers/switch-disconnector Open switch-disconnector
<b>AMPERAGE RATING</b>	1600 A
<b>FEATURES</b>	Version as main switch Motor drive optional Version as maintenance-/service switch
<b>ACTUATOR COLOR</b>	Green
<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

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	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 ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to 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>FRAME</b>	INX40
<b>POLLUTION DEGREE</b>	3
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	1600 A
<b>MOUNTING METHOD</b>	Withdrawable
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	140 W
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	12 kV AC
<b>UTILIZATION CATEGORY</b>	B
<b>DEVICE CONSTRUCTION</b>	Built-in device slide-in technique (withdrawable)
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	85 kA
<b>DIRECTION OF</b>	As required

<b>INCOMING SUPPLY</b>	
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Rail connection
<b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>	187 kA
<b>ACTUATOR TYPE</b>	Push button
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	2
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	0
<b>NUMBER OF STANDARD MECHANICAL OPERATIONS PER HOUR - MAX</b>	60
<b>POWER OF WITHDRAWABLE SWITCH WITH CASSETTE</b>	140 W
<b>RATED INSULATION VOLTAGE (UI)</b>	1000 V
<b>LIFESPAN, MECHANICAL</b>	25000 operations (switching capacity, with maintenance) 12500 switching cycles (ON/OFF)
<b>OVERVOLTAGE CATEGORY</b>	III
<b>SWITCHING POWER AT 400 V</b>	0 kW
<b>WEIGHT OF CASSETTE VERSION (4-POLE)</b>	35 kg
<b>WEIGHT OF FIXED WITHDRAWABLE VERSION (4-POLE)</b>	82 kg
<b>AMBIENT OPERATING</b>	-20 °C - 70 °C

TEMPERATURE DETAILS	
PROTECTION	None
VOLTAGE RATING AT AC	690 V AC
NUMBER OF POLES	Four-pole
DEGREE OF PROTECTION	IP55 with protective cover IP31 with door seals NEMA Other
CLOSING DELAY VIA SPRING RELEASE	35 ms
LIFESPAN, ELECTRICAL	10000 operations (switching capacity) 20000 operations (switching cycles ON/OFF, with maintenance)
DEGREE OF PROTECTION (FRONT SIDE)	IP31
TYPE	<ul style="list-style-type: none"> <li>Air circuit breakers/switch-disconnector</li> <li>Open switch-disconnector</li> </ul>

SPECIAL FEATURES

- Cassette must be separately ordered.
- 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.

<b>NUMBER OF SWITCHES</b>	1
<b>FUNCTIONS</b>	Interlockable Voltage release optional
<b>POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT</b>	Back side
<b>RELEASE SYSTEM</b>	Without releases
<b>SUITABLE FOR</b>	Intermediate mounting Distribution board installation Ground mounting
<b>RATED OPERATING POWER AT AC-23, 400 V</b>	0 kW
<b>RATED OPERATING POWER AT AC-3, 400 V</b>	0 kW
<b>RATED OPERATING VOLTAGE (UE) - MAX</b>	690 V
<b>RATED OPERATING VOLTAGE (UE) - MIN</b>	690 V
<b>RATED OPERATING VOLTAGE (UE) AT AC - MAX</b>	690 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	1600 A
<b>RATED PERMANENT CURRENT AT AC-21, 400 V</b>	0 A
<b>RATED PERMANENT CURRENT AT AC-23, 400 V</b>	1600 A
<b>RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 440 V, 50/60 HZ</b>	187 kA
<b>RATED SHORT-CIRCUIT MAKING CAPACITY UP TO 690 V, 50/60 HZ</b>	166 kA
<b>RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)</b>	85 kA

<b>RATED SHORT-TIME WITHSTAND CURRENT AT 50/60 HZ (T = 3 S)</b>	66 kA
<b>RATED UNINTERRUPTED CURRENT (IU) AT 50°C</b>	1600 A
<b>RATED UNINTERRUPTED CURRENT (IU) AT 60°C</b>	1600 A
<b>RATED UNINTERRUPTED CURRENT (IU) AT 70°C</b>	1600 A
<b>TERMINAL CAPACITY (COPPER BAR)</b>	80 mm x 10 mm (1x) for withdrawable units (black)
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	30
<b>HOUSING COLOR</b>	Gray
<b>HOUSING MATERIAL</b>	Plastic

<b>PROJECT NAME:</b>
<b>PROJECT NUMBER:</b>
<b>PREPARED BY:</b>
:



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