Circuit-breaker, 3 pole, 2500A, 85 kA, P measurement, IEC, Fixed



Part no. IZMX40N3-P25F-1

183631

EL Number 4398168

(Norway)

(Norway)	
General specifications	
Product name	Eaton Moeller series IZMX/INX circuit-breaker
Part no.	IZMX40N3-P25F-1
EAN	4015081793679
Product Length/Depth	584 millimetre
Product height	597 millimetre
Product width	521 millimetre
Product weight	45 kilogram
Compliances	IEC/EN 60947 IEC RoHS conform
Product Tradename	IZMX/INX
Product Type	Circuit-breaker
Product Sub Type	None
Delivery program	
Туре	Air circuit breakers/switch-disconnector Open circuit breaker
Number of poles	Three-pole
Amperage Rating	2500 A
Release system	Electronic release
Features	Motor drive optional Complete device with protection unit
	suitable for 16 circuit breakers) 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 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.
Frame	IZMX40
Fitted with:	Switched-off indicator
Used with	Open circuit breaker Air circuit breakers/switch-disconnector
Technical Data - Electrical	
Voltage rating at AC	690 V AC
Rated operating voltage (Ue) - min	690 V
Rated operating voltage (Ue) - max	690 V
Rated insulation voltage (Ui)	
Rated impulse withstand voltage (Uimp)	1000 V
	1000 V 12 kV AC
Rated uninterrupted current (Iu)	
Rated uninterrupted current (Iu) Rated uninterrupted current (Iu) at 50°C	12 kV AC
	12 kV AC 2500 A
Rated uninterrupted current (Iu) at 50°C	12 kV AC 2500 A 2500 A
Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C	12 kV AC 2500 A 2500 A 2500 A
Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C	12 kV AC 2500 A 2500 A 2500 A
Rated uninterrupted current (Iu) at 50°C Rated uninterrupted current (Iu) at 60°C Rated uninterrupted current (Iu) at 70°C Rated short-time withstand current (t = 1 s)	12 kV AC 2500 A 2500 A 2500 A 2500 A

1875 A 25000 A 1.5 - 10 x Ir 0 A 37500 A 1500 A 25000 A 5000 A 37500 A 85 kA 187 kA 166 kA 35 ms Rail connection 60 75 kA Push button B III 3 5000 operations (switching capacity) 10000 operations (switching cycles ON/OFF, with maintenance) As required Built-in device fixed built-in technique Fixed
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10000 operations (switching cycles ON/OFF, with maintenance) As required Built-in device fixed built-in technique
Built-in device fixed built-in technique
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Fixed
Tixeu
IP31 IP31 with door seals IP55 with protective cover
P measurement
2
0
0
Back side
43 kg
20000 operations (switching capacity, with maintenance) 10000 switching cycles (ON/OFF)
80 mm x 10 mm (2x) for fixed mounting (black)
2500 A
235 W
235 W
-20 °C - 70 °C
-20 °C
70 °C
-20 °C
70 °C
Mosts the product standard's requirements
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions	Meets the product 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	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (EC000228)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss13-27-37-04-09 [AJZ716018])

processor (consistence)		
Rated permanent current lu	А	2500
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	85
Overload release current setting	Α	1000 - 2500
Adjustment range short-term delayed short-circuit release	А	1500 - 25000
Adjustment range undelayed short-circuit release	А	5000 - 37500
Power loss	W	235
Device construction		Built-in device fixed built-in technique
Integrated earth fault protection		No
Type of electrical connection of main circuit		Rail connection
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		No
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		2
With switched-off indicator		Yes
With integrated under voltage release		No
Number of poles		3
Position of connection for main current circuit		Back side
Type of control element		Push button
Complete device with protection unit		Yes
Motor drive integrated		No
Motor drive optional		Yes
Degree of protection (IP)		IP31