## Switch-disconnector, 3 pole, 4000A, without protection, IEC, Fixed



Part no. INX40B3-40F-1

184047

**EL Number** 4398409

(Norway)

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General specifications		
Product name	Eaton Moeller serie	es IZMX/INX switch-disconnector
Part no.	INX40B3-40F-1	
EAN	4015081795864	
Product Length/Depth	584 millimetre	
Product height	597 millimetre	
Product width	521 millimetre	
Product weight	45 kilogram	
Compliances	IEC IEC/EN 60947 RoHS conform	
Product Tradename	IZMX/INX	
Product Type	Switch-disconnect	or
Product Sub Type	None	
Delivery program		
Туре	Air circuit breakers Open switch-disco	s/switch-disconnector nnector
Number of poles	Three-pole	
Amperage Rating	4000 A	
Release system	Without releases	
Features	Motor drive optiona Version as main sw Version as mainten	
Special features	Terminal capacity h values will depend influenced by the a height, the partition switchgear design, for by increasing th	by user with comprehensive accessories int: These are values used in separate switchgear. The actual on the temperature around the circuit breaker, which is mbient temperature, the degree of protection (IP), the mounting is, and any external ventilation. Depending on the specific this may result in derating, which can then be compensated be cross-sectional area. Temperature rise tests in the specific poide specific and detailed information.
Frame	INX40	
Suitable for	Ground mounting Distribution board i Intermediate moun	
Used with	Air circuit breakers Open switch-disco	s/switch-disconnector nnector
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 operating voltage (Ue) at AC - max	690 V	
Rated insulation voltage (Ui)	1000 V	
Rated impulse withstand voltage (Uimp)	12 kV AC	
Rated uninterrupted current (Iu)	4000 A	
Rated uninterrupted current (Iu) at 50°C	4000 A	
Rated uninterrupted current (Iu) at 60°C	3650 A	
•	3500 A	
Rated uninterrupted current (Iu) at 70°C		
Rated uninterrupted current (Iu) at 70°C  Rated conditional short-circuit current (Iq)	144 kA	
Rated conditional short-circuit current (Iq)		
Rated conditional short-circuit current (Iq) Rated permanent current at AC-21, 400 V	0 A	
Rated conditional short-circuit current (Iq) Rated permanent current at AC-21, 400 V Rated permanent current at AC-23, 400 V	0 A 4000 A	
Rated conditional short-circuit current (Iq) Rated permanent current at AC-21, 400 V	0 A	

Rated short-circuit making capacity up to 440 V, 50/60 Hz	145 kA
Rated short-circuit making capacity up to 690 V, 50/60 Hz	145 kA
Rated operating power at AC-3, 400 V	0 kW
Rated operating power at AC-23, 400 V	0 kW
Switching power at 400 V	0 kW
Closing delay via spring release	35 ms
Electrical connection type of main circuit	Rail connection
Number of standard mechanical operations per hour - max	60
Actuator type	Push button
Utilization category	В
Overvoltage category	III
Pollution degree	3
Lifespan, electrical	10000 operations (switching cycles ON/OFF, with maintenance) 5000 operations (switching capacity)
Direction of incoming supply	As required
Technical Data - Mechanical	
Device construction	Built-in device fixed built-in technique
Mounting Method	Fixed
Degree of protection	IP31 with door seals IP55 with protective cover
Degree of protection (front side)	IP31
Protection	None
Number of auxiliary contacts (change-over contacts)	2
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Number of switches	1
Position of connection for main current circuit	Back side
Weight of fixed mounting version (3-pole)	43 kg
Actuator color	Green
Lifespan, mechanical	20000 operations (switching capacity, with maintenance) 10000 switching cycles (ON/OFF)
Technical Data - Mechanical - Terminals	
Terminal capacity (copper bar)	10 mm x 100 mm (4x) for fixed mounting (black)
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	4000 A
Equipment heat dissipation, current-dependent	600 W
Heat dissipation at rated current with fixed mounting	600 W
Ambient operating temperature details	-20 °C - 70 °C
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	70 °C
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	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.
	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.
Additional information	
Functions	Interlockable Voltage release optional

## **Technical data ETIM 9.0**

Width

Technical data ETIM 9.0		
Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC	0000216)	
Electric engineering, automation, process control engineering / Low-voltage switch tea [AKF060018])	chnology / Off-load sv	witch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	690 - 690
Rated permanent current lu	Α	4000
Rated permanent current at AC-23, 400 V	A	4000
Rated permanent current at AC-21, 400 V	Α	0
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current lcw	kA	66
Rated operation power at AC-23, 400 V	kW	0
Switching power at 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	144
Number of poles		3
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
Motor drive optional		Yes
Motor drive integrated		No
Voltage release optional		Yes
Device construction		Built-in device fixed built-in technique
Suitable for floor mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		Yes
Suitable for intermediate mounting		Yes
Colour control element		Green
Type of control element		Push button
Interlockable		Yes
Type of electrical connection of main circuit		Rail connection
With pre-assembled cabling		No
Degree of protection (IP), front side		IP31
Degree of protection (NEMA)		

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Height	mm	597
Depth	mm	584
Width in number of modular spacings		24