Switch-disconnector, 4 pole, 800A, without protection, IEC, Withdrawable



Part no. INX40B4-08W-1

184088

EL Number

4398450

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(Norway)	
General specifications	
Product name	Eaton Moeller series IZMX/INX switch-disconnector
Part no.	INX40B4-08W-1
EAN	4015081796274
Product Length/Depth	584 millimetre
Product height	597 millimetre
Product width	521 millimetre
Product weight	86 kilogram
Compliances	IEC/EN 60947
	IEC RoHS conform
Product Tradename	IZMX/INX
Product Type	Switch-disconnector
Product Sub Type	None
Delivery program	
Туре	Air circuit breakers/switch-disconnector
•	Open switch-disconnector
Number of poles	Four-pole Four-pole
Amperage Rating	800 A
Release system	Without releases
Features	Version as main switch Motor drive optional
	Version as maintenance-/service switch
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.
Frame	INX40
Suitable for	Distribution board installation Ground mounting Intermediate mounting
Used with	Air circuit breakers/switch-disconnector Open 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 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)	800 A
Rated uninterrupted current (Iu) at 50°C	800 A
Rated uninterrupted current (Iu) at 60°C	800 A
Rated uninterrupted current (Iu) at 70°C	800 A
Rated conditional short-circuit current (Iq)	144 kA
Rated permanent current at AC-21, 400 V	0 A
Rated permanent current at AC-23, 400 V	800 A
Rated short-time withstand current (Icw)	66 kA

Rated short-time withstand current (t = 1 s)	66 kA
Rated short-time withstand current at 50/60 Hz (t = 3 s)	53 kA
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
Power of withdrawable switch with cassette	65 W
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	20000 operations (switching cycles ON/OFF, with maintenance)
	10000 operations (switching capacity)
Direction of incoming supply	As required
Technical Data - Mechanical	
Device construction	Built-in device slide-in technique (withdrawable)
Mounting Method	Withdrawable
Degree of protection	IP55 with protective cover IP31 with door seals
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 cassette version (4-pole)	35 kg
Weight of fixed withdrawable version (4-pole)	76 kg
Actuator color	Green
Lifespan, mechanical	12500 switching cycles (ON/OFF) 25000 operations (switching capacity, with maintenance)
Technical Data - Mechanical - Terminals	
Terminal capacity (copper bar)	60 mm x 10 mm (1x) for withdrawable units (black)
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	800 A
Equipment heat dissipation, current-dependent	65 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.
10.1 Giodianicos una Grochago distanicos	moots the product standard s regulianients.

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.
Additional information	
Functions	Voltage release optional Interlockable

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

Version as maintenance-/services switch Version as safety switch Version as smergency stop installation Version as mergency stop installation Version as mergency stop installation Version as reversing switch Number of switches Max. rated operation voltage Ue AC No Rated operating voltage Rated permanent current 1u Rated permanent current 1u Rated permanent current at AC-23, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-23, 400 V Rated operation power at	Version as main switch		Yes
Version as emergency stop installation Incompany (installation) Version as reversing switch Incompany (installation) Number of switches Incompany (installation) Max. rated operation voltage Ue AC V 690 - 690 Rated operating voltage V 690 - 690 Rated permanent current at AC-23, 400 V A 00 Rated operation power at AC-3, 400 V A 0 Rated operation power at AC-3, 400 V KW 0 Rated operation power at AC-23, 400 V KW 0 Reted operation power at AC-23, 400 V KW 0 Switching power at 400 V KW 0 Conditioned rated short-circuit current Iq KW 0 Number of poles K 4 Number of auxiliary contacts as normally closed contact C 0 Number of auxiliary contacts as normally open contact C 2 Motor drive optional C Yes Motor drive optional C Yes Motor drive optional C Yes Device construction C Wes	Version as maintenance-/service switch		Yes
Version as reversing switch No Number of switches 1 Max. rated operation voltage Ue AC V 690 Rated operating voltage V 690 - 690 Rated operating voltage V 690 - 690 Rated operating voltage A 800 Rated permanent current at AC-23, 400 V A 800 Rated operation power at AC-3, 400 V A 0 Rated short-time withstand current tow KA 66 Rated operation power at AC-23, 400 V KW 0 Rated short-time withstand current tow 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 KA 144 Number of auxiliary contacts as normally closed contact C 0 Number of auxiliary contacts as normally open contact C 0 Number of auxiliary contacts as change-over contact C Ves Motor drive optional Yes Yes Motor drive integrated W W	Version as safety switch		No
Number of switches 1 Max. rated operation voltage Ue AC V 690 Rated operating voltage V 690 - 690 Rated permanent current Iu A 800 Rated permanent current at AC-23, 400 V A 800 Rated operation power at AC-31, 400 V A 0 Rated operation power at AC-33, 400 V KW 0 Rated operation power at AC-23, 400 V KW 0 Switching 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 KA 4 Number of auxiliary contacts as normally closed contact KA 144 Number of auxiliary contacts as normally closed contact K 2 Number of auxiliary contacts as change-over contact Yes Motor drive optional Yes No Voltage release optional Yes Built-in device slide-in technique (withdrawable) Suitable for floor mounting Built-in device slide-in technique (withdrawable)	Version as emergency stop installation		No
Max rated operation voltage U e AC V 690 Rated operating voltage V 690 - 690 Rated permanent current lu A 800 Rated permanent current at AC-23, 400 V A 800 Rated operation power at AC-3, 400 V kW 0 Rated operation power at AC-23, 400 V kW 66 Rated operation power at AC-23, 400 V kW 0 Switching power at 400 V kW 0 Conditioned rated short-circuit current lq kA 144 Number of poles kA 144 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as change-over contact Yes Motor drive optional Yes Motor drive integrated No Voltage release optional Yes Device construction Built-in device slide-in technique (withdrawable) Suitable for floor mounting Yes Suitable for front mounting 4-hole No	Version as reversing switch		No
Rated operating voltage V 690 - 690 Rated permanent current lu A 800 Rated permanent current at AC-23, 400 V A 800 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 lq kA 144 Number of poles 4 4 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as change-over contact 2 2 Motor drive optional Yes No Motor drive integrated No No Voltage release optional Yes Built-in device slide-in technique (withdrawable) Suitable for floor mounting Fa Built-in device slide-in technique (withdrawable)	Number of switches		1
Rated permanent current lu Rated permanent current at AC-23,400 V Rated permanent current at AC-21,400 V Rated permanent current at AC-21,400 V Rated permanent current at AC-3,400 V Rated short-time withstand current lcw Rated short-time withstand current lcw Rated short-time withstand current lcw Rated operation power at AC-23,400 V Rw 0 Switching power at 400 V Conditioned rated short-circuit current lq Rw Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Notor drive optional Motor drive integrated Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole No No No No No No No No No N	Max. rated operation voltage Ue AC	V	690
Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated operation power at AC-23, 400 V Rowitching power at 400 V Rowitchin	Rated operating voltage	V	690 - 690
Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rw 0 Switching power at 400 V Conditioned rated short-circuit current lq RA Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Rated permanent current lu	Α	800
Rated operation power at AC-3, 400 V	Rated permanent current at AC-23, 400 V	Α	800
Rated short-time withstand current Icw Rated operation power at AC-23, 400 V Switching power at 400 V Conditioned rated short-circuit current Iq Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Rate d 66 kW 0 0 4 4 4 66 Rated operation power at AC-23, 400 V kW 0 0 Conditioned rated short-circuit current Iq kA 144 4 0 0 0 2 2 Yes No Voltage release optional Pevice construction Suitable for front mounting 4-hole No No	Rated permanent current at AC-21, 400 V	Α	0
Rated operation power at AC-23, 400 V Switching power at 400 V Conditioned rated short-circuit current Iq kA Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole kW 0 4 4 4 4 4 6 0 7 8 9 9 9 9 9 No Yes Built-in device slide-in technique (withdrawable) Yes Suitable for front mounting 4-hole	Rated operation power at AC-3, 400 V	kW	0
Switching power at 400 V Conditioned rated short-circuit current Iq kA Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Pevice construction Suitable for floor mounting Suitable for front mounting 4-hole kA 144 144 144 0 0 14 15 16 17 18 18 18 18 18 18 18 18 18	Rated short-time withstand current lcw	kA	66
Conditioned rated short-circuit current Iq Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole KA 144 144 144 144 145 148 148 144 144	Rated operation power at AC-23, 400 V	kW	0
Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Yes Motor drive optional No Voltage release optional Ves Device construction Suitable for floor mounting Suitable for front mounting 4-hole No No	Switching power at 400 V	kW	0
Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Voltage release optional Period construction Suitable for floor mounting Suitable for front mounting 4-hole O O O O O O O O O O O O O	Conditioned rated short-circuit current Iq	kA	144
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole O O O O O O O O O O O O O	Number of poles		4
Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole 2 Motor drive integrated No No Suitable for front mounting 4-hole 2 Motor drive optional No No No No No No No No No N	Number of auxiliary contacts as normally closed contact		0
Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole Yes No Yes Built-in device slide-in technique (withdrawable) Yes No	Number of auxiliary contacts as normally open contact		0
Motor drive integrated No Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole No No	Number of auxiliary contacts as change-over contact		2
Voltage release optional Pevice construction Built-in device slide-in technique (withdrawable) Suitable for floor mounting Yes Suitable for front mounting 4-hole No	Motor drive optional		Yes
Device construction Built-in device slide-in technique (withdrawable) Suitable for floor mounting Yes Suitable for front mounting 4-hole No	Motor drive integrated		No
Suitable for floor mounting Yes Suitable for front mounting 4-hole No	Voltage release optional		Yes
Suitable for front mounting 4-hole No	Device construction		Built-in device slide-in technique (withdrawable)
	Suitable for floor mounting		Yes
Suitable for front mounting centre	Suitable for front mounting 4-hole		No
Cultude for Holic mounting centre	Suitable for front mounting centre		No
Suitable for distribution board installation Yes	Suitable for distribution board installation		Yes
Suitable for intermediate mounting Yes	Suitable for intermediate mounting		Yes
Colour control element Green	Colour control element		Green
Type of control element Push button	Type of control element		Push button
Interlockable Yes	Interlockable		Yes
Type of electrical connection of main circuit Rail connection	Type of electrical connection of main circuit		Rail connection
With pre-assembled cabling No	With pre-assembled cabling		No

Degree of protection (IP), front side		IP31
Degree of protection (NEMA)		
Width	mm	m 521
Height	mm	m 597
Depth	mm	m 584
Width in number of modular spacings		30