DATASHEET - INX40N3-12W



Switch-disconnector, 3p, 1250 A, withdrawable

Part no. INX40N3-12W Catalog No. 150079

Eaton Catalog No. RES8133WSW0NMNN2MNDX



Delivery program

Product range			Air circuit-breakers/switch-disconnectors
Product range			Open switch-disconnectors
			·
Current Range			Up to 4000 A
Protective function			without protection
Installation type			Withdrawable
			Cassette must be separately ordered.
Construction size			INX40
Release system			without releases
Standard/Approval			IEC
Number of poles			3 pole
Degree of Protection			IP20, IP55 with protective cover, IP41 door sealing frame
			optionally fittable by user with comprehensive accessories
Rated current = rated uninterrupted current	$I_n = I_u$	Α	1200
Rated short-circuit making capacity up to 440V/690V 42/42	I _{cm}	kA	187
Rated short-time withstand current t =1 s	I _{cw}	kA	85
Rated short-time withstand current t =3 s	I _{cw}	kA	66

Technical data

		IEC/EN 60947
9	°C	-40 - +70
	°C	-25 - +70
		30° 30° 30°
		В
		IP20, IP55 with protective cover, IP41 door sealing frame
		as required
$I_n = I_u$	Α	1250
Iu	Α	1250
l _u	Α	1250
I _u	Α	1250
U _{imp}	V AC	12000
U _e	V AC	690
		III/3
Ui	٧	1000
I _{cm}		
I _{cm}	kA	187
I _{cm}	kA	166
	ms	35
	I _n = I _u I _u I _u I _u U _{imp} U _e U _i	In = Iu A Iu A Iu A Iu A Uimp V AC Ue V AC Ui V

Total ananing dalay via abunt release		ma	22
Total opening delay via shunt release		ms	ш
Total opening delay via undervoltage release		ms	37
Maximum operating frequency		Ops./h	
Maximum operating frequency	Operations/h		60
Heat dissipation at rated current I_n			
Withdrawable units (switch with cassette)		W	90
Weight			
Withdrawable			
3-pole		kg	70
4-pole		kg	86
Cassette			
3 pole		kg	27
4 pole		kg	35
Terminal capacities			
Copper bar			
Withdrawable units			
Black		mm	1 x 60 x 10
			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.

Design verification as per IEC/EN 61439

In	Α	1250
P _{vid}	W	90
	°C	-25
	°C	70
		Meets the product standard's requirements.
		Meets the product standard's requirements.
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		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
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		Does not apply, since the entire switchgear needs to be evaluated.
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		Is the panel builder's responsibility.
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		Is the panel builder's responsibility.
		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switch gear must lobserved.
		Is the panel builder's responsibility. The specifications for the switchgear must
		P _{vid} W °C

Technical data ETIM 7.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03

[AKF060013])	37 ·		
Version as main switch			Yes
Version as maintenance-/service switch			No
Version as safety switch			No
Version as emergency stop installation			No
Version as reversing switch			No
Number of switches			
Max. rated operation voltage Ue AC		V	690
Rated operating voltage		V	690 - 690
Rated permanent current lu		Α	1250
Rated permanent current at AC-23, 400 V		Α	
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	85
Rated operation power at AC-23, 400 V		kW	0
Switching power at 400 V		kW	0
Conditioned rated short-circuit current Iq		kA	187
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 slide-in technique (withdrawable)
Suitable for ground 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			No
Colour control element			Green
Type of control element			Push button
Interlockable			Yes
Type of electrical connection of main circuit			Rail connection
Degree of protection (IP), front side			IP20
Degree of protection (NEMA)			