



2.10		
	Part no.	INX40B3-20W-1
	Article no.	184060

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			IP31 with door seals, IP55 with protective cover
			optionally fittable by user with comprehensive accessories
Rated current = rated uninterrupted current	$I_n = I_u$	А	2000
Bemessungskurzschlusseinschaltvermögen bis 440V/690V 42/42	I _{cm}	kA	145
Bemessungskurzzeitstromfestigkeit t = 1 s	I _{cw}	kA	66
Bemessungskurzzeitstromfestigkeit t = 3 s	I _{cw}	kA	53

Technical data Conorol

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General			
Standards			IEC/EN 60947
Ambient temperature			
Storage	θ	°C	-40 - +70
Ambient temperature		°C	-25 - +70
Mounting position			
Utilization category			В
Degree of Protection			IP31 with door seals, IP55 with protective cover
Direction of incoming supply			as required
Main conducting paths			
Rated current = rated uninterrupted current	$I_n = I_u$	Α	2000
Rated uninterrupted current at 50 °C	l _u	А	2000
Rated uninterrupted current at 60 °C	l _u	А	2000
Rated uninterrupted current at 70 °C	l _u	А	2000
Rated impulse withstand voltage	U _{imp}	V AC	12000
Rated operational voltage	U _e	V AC	690
Overvoltage category/pollution degree			111/3
Rated insulation voltage	Ui	V	1000
Switching capacity			
Rated short-circuit making capacity	I _{cm}		
up to 440 V 50/60 Hz	I _{cm}	kA	145
up to 690 V 50/60 Hz	I _{cm}	kA	145
Rated short-time withstand current 50/60 Hz			
Rated short-time withstand current (t=1s)	I _{cw}	kA	66
t = 3 s	I _{cw}	kA	53

actual values will depend on influenced by the ambient

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	2000
Equipment heat dissipation, current-dependent	P _{vid}	W	395
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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.
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 Insulation properties	
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 6.0

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@ss8.1-27-37-14-03 [AKF060010])

Version as main switchYesVersion as maintenance-/service switchImage: Second	
Version as safety switchNoVersion as emergency stop installationNoNoMax. rated operation voltage Ue ACV690-690Rated operation voltage Ue ACV690-690Rated operation voltage Ue ACA2000Rated operation power at AC-31,400 VA0Rated operation power at AC-32,400 VKW0Rated operation power at AC-32,400 VKW0Rated operation power at AC-32,400 VKW0Rated operation power at AC-32,400 VKW0Conditioned rated short-time withstand current lowKW0Switching power at 400 VKW0Conditioned rated short-time withstand current lqKW0Number of power at AC-32, 400 VKW0Switching power at 400 VKW0Conditioned rated short-time withstand current lqKW0Number of auxiliary contacts as normally open contactKW0Number of auxiliary contacts as normally open contactKW0Number of auxiliary contacts as change-over contactKWNoSuitable for front mounting 4-holeKWNoSuitable for front mounting 4-holeKWNoSuitable for front mounting 6-holeKWNoSuitable for front mounting centerKWNoSuitable for finithwitoh board installationKWNoSuitable for finithwitoh bard installationKWNoSuitable for finithwitoh bard installationKWNoSuitable for finithwitoh	
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Interlockable Yes Rail connection	
Type of electrical connection of main circuit Rail connection	
Degree of protection (IP), front side	

Dimensions



