DATASHEET - B3.1/2-PKZ0



Three-phase commoning link, Circuit-breaker: 2, 99 mm, For PKZM0-... or PKE12, PKE32 without side mounted auxiliary contacts or voltage releases



Part no. B3.1/2-PKZ0
Catalog No. 044945
Alternate Catalog XTPAXCLKB2

No.

EL-Nummer 4357200

(Norway)

Delivery program

Product range		Accessories
Accessories		Three-phase commoning link
		Protected against accidental contact, short-circuit proof, U_e = 690 V, I_u = 63 A Can be extended by rotating by installation For PKZM0 or PKE attached on the right with an auxiliary contact or trip indicating signal
For use with		Three-phase commoning link PKZ0, PKE12, PKE32
Circuit-breaker	Number	2
Length	mm	99
Unit width	mm	45 + 9
Notes		

Notes

For parallel power feed to several motor-protective circuit-breakers on terminals 1, 3, 5

Technical data

Main conducting paths

Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U _e	V AC	690
Rated uninterrupted current	I _u	Α	63

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	63
Heat dissipation per pole, current-dependent	P _{vid}	W	1.1
Equipment heat dissipation, current-dependent	P _{vid}	W	33
Static heat dissipation, non-current-dependent		W	
, ,	P _{vs}		0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
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 7.0

Low-voltage industrial components (EG000017) / Phase busbar (EC000215)

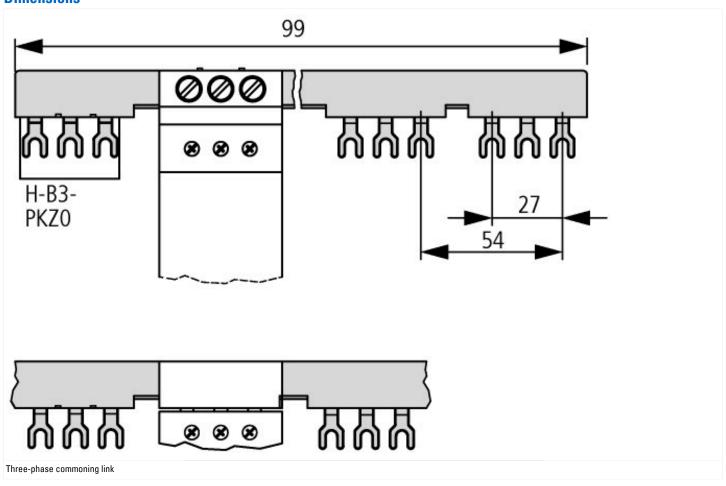
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Phase busbar (ecl@ss10.0.1-27-37-13-06 [ACN992011])

Number of plases Number of poles Suitable for number of devices Suitable for devices with Ausbard Suitable for devices with auxiliary switch Number of modular spacings Suitable for devices with auxiliary switch Suitable for devices with auxiliary switch Number of modular spacings Suitable for devices with auxiliary switch Suitable for devices with auxiliary switch Number of modular spacings Suitable for devices with auxiliary switch S	[ACN992011])			
Suitable for number of devices Pitch dimensions mm 54 Cross section mm² 0 Length Number of modular spacings Rated permanent current lu Type of electric connection Insulated Rated surge voltage Rated surge voltage Max. rated operation voltage Ue Rated short-time withstand current lcw Suitable for devices with N-busbar Suitable for devices with N-busbar Description mm 99 A 63 Fork Fork Fork 6 Conditioned rated short-circuit current lq kA 0 Suitable for devices with N-busbar	Number of phases			3
Pitch dimensions mm 54 Cross section mm² 0 Length mm 99 Number of modular spacings 0 Rated permanent current lu A Type of electric connection Insulated Surge voltage Ver Conditioned rated short-circuit current lq kA Max. rated operation voltage Ue Rated short-time withstand current lcw Suitable for devices with N-busbar	Number of poles			3
Cross section mm² 0 Length mm 99 Number of modular spacings 0 Rated permanent current lu A 63 Type of electric connection Fork Insulated Rated surge voltage kV 6 Conditioned rated short-circuit current lq kA 0 Max. rated operation voltage Ue V 690 Rated short-time withstand current lcw Low Low Low Low Low Low Low Low Low Lo	Suitable for number of devices			2
Length Number of modular spacings Rated permanent current lu Rated permanent current lu A B B B B B B B B B B B B B B B B B B	Pitch dimensions	n	mm	54
Number of modular spacings Rated permanent current lu A Fork Insulated Rated surge voltage Rouditioned rated short-circuit current lq Max. rated operation voltage Ue Rouditable for devices with N-busbar Number of modular spacings A 63 Fork Fork Fork Conditioned rated short-circuit current lq kA 0 69 Rouditioned rated short-time withstand current lcw kA 0 Suitable for devices with N-busbar	Cross section	n	mm²	0
Rated permanent current lu Type of electric connection Insulated Rated surge voltage Rouditioned rated short-circuit current Iq Max. rated operation voltage Ue Rated short-time withstand current lcw Rouditioned rated short-circuit current lcw Rouditioned rated short-time withstand current lcw Rouditioned rated short-circuit current lcw Rouditioned rated short-circuit current lq Roudition	Length	n	mm	99
Type of electric connection Insulated Rated surge voltage Rouditioned rated short-circuit current Iq Max. rated operation voltage Ue Rated short-time withstand current Icw Suitable for devices with N-busbar Fork Fork Fork Fork Yes 6 6 6 Conditioned rated short-circuit current Iq kA 0 Suitable for devices with N-busbar No	Number of modular spacings			0
Insulated Rated surge voltage Rodditioned rated short-circuit current Iq Max. rated operation voltage Ue Rated short-time withstand current Icw Rodditioned rated short-circuit current Iqu Rodditioned rated short-ci	Rated permanent current lu	A	4	63
Rated surge voltage Conditioned rated short-circuit current Iq Max. rated operation voltage Ue Voidage Suitable for devices with N-busbar kV 6 6 6 6 0 No	Type of electric connection			Fork
Conditioned rated short-circuit current Iq	Insulated			Yes
Max. rated operation voltage Ue V 690 Rated short-time withstand current Icw kA 0 Suitable for devices with N-busbar No	Rated surge voltage	k	κV	6
Rated short-time withstand current lcw kA 0 Suitable for devices with N-busbar No	Conditioned rated short-circuit current Iq	k	κA	0
Suitable for devices with N-busbar No	Max. rated operation voltage Ue	V	/	690
	Rated short-time withstand current lcw	k	kΑ	0
Suitable for devices with auxiliary switch No	Suitable for devices with N-busbar			No
	Suitable for devices with auxiliary switch			No

Approvals

Product Standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.	E36332
UL Category Control No.	NLRV
CSA File No.	98494
CSA Class No.	3211-06
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Dimensions



Assets (links)

Declaration of CE Conformity 00003118

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	htt
Bushar Component Adapters for modern Industrial control panels	htt

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