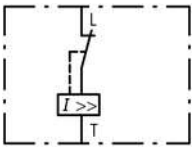
DATASHEET - CL-PKZ0



Current limiter, 3p, 63A, 400VAC/100kA, 690VAC/10kA

Part no.	**CL-PKZ0**
Catalog No.	**082881**
Alternate Catalog No.	**XTPAXCL**
EL-Nummer (Norway)	**4355154**

Delivery program

Product range			Accessories
Accessories			Current limiter
			Motor-protective circuit-breaker, non-auto-protected in order to increase switching capacity Max. Rated operational voltage U_e= 690 V Rated uninterrupted current I_u = 63 A
Contact sequence			
Connection technique			Screw terminals
For use with			Current limiter PKZ0(4), PKE
For use with			PKZM0 PKM0 PKZM4 PKE

Notes Can be used for individual and group protection.
For group protection and in combination with PKZM4, order additional BK25/3 connection terminal if required.
Mounting next to or behind the motor protective circuit breaker.
PKZM0: 16 - 32 A, 150 kA/440 V
PKZM4: 16 - 63 A, 100 kA/400 V
PKZM4: 16 - 63 A, 10 kA/690 V

Technical data

Current limiter

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	A	63

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	63
Heat dissipation per pole, current-dependent	P_{vid}	W	2.8
Equipment heat dissipation, current-dependent	P_{vid}	W	8.4
Static heat dissipation, non-current-dependent	P_{vs}	W	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.

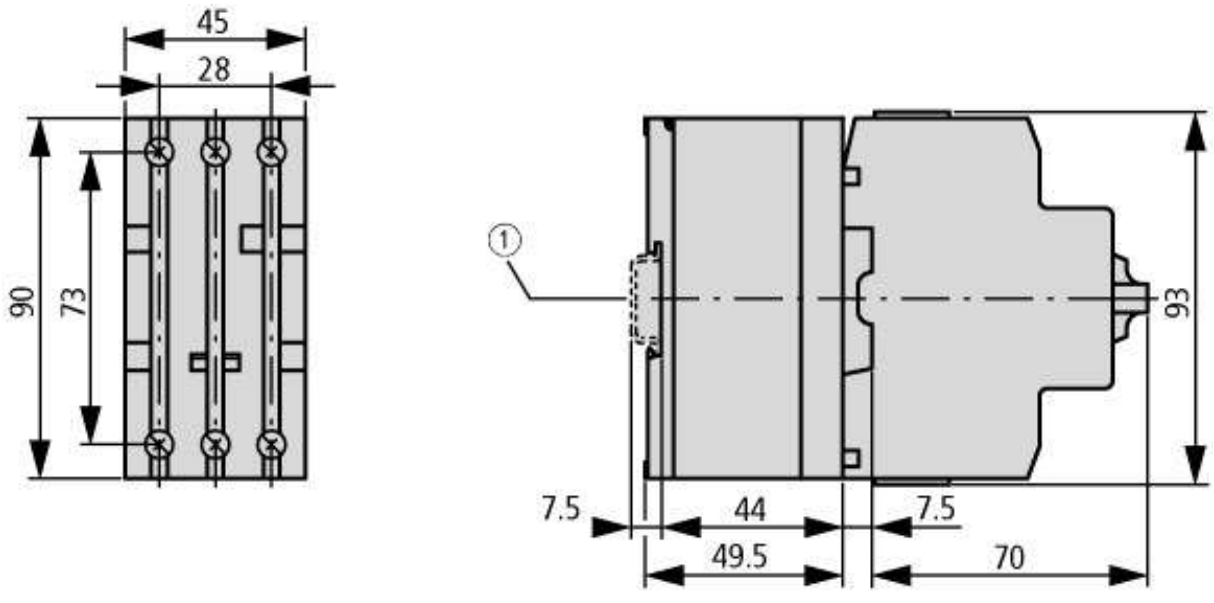
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Current limiter (EC000239)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Current limiter (ecl@ss10.0.1-27-37-04-16 [AKF014013])		
Max. apparent power	VA	0
Mounting method		DIN rail
Conditioned rated short-circuit current Iq	kA	0
Rated permanent current Iu	A	63
Short-circuit current limiter		Yes

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.		165628
CSA Class No.		3211-05
North America Certification		UL listed, CSA certified
Specially designed for North America		No

Dimensions



① Top-hat rail to IEC/EN 60715

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf

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