

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



Powering Business Worldwide™

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
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
Oversupply 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 8.0

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 I_q	kA	0
Rated permanent current I_p	A	63
Short-circuit current limiter		Yes