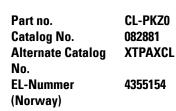
DATASHEET - CL-PKZ0

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





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 conner 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	action terminal if required.

Technical data

Current limiter			
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			111/3
Rated operational voltage	U _e	V AC	690
Rated uninterrupted current	lu	А	63

Design verification as per IEC/EN 61439

Iechnical data for design verification In Action of design verification Rated operational current for specified heat dissipation In Action Galance Heat dissipation per pole, current-dependent Pvid We Salance Equipment heat dissipation, current-dependent Pvid We Salance Static heat dissipation, non-current-dependent Pvis We Oderational current/dependent Meat dissipation capacity Pdiss We Oderational current/dependent Operating ambient temperature max. Pdiss C -25 ID2.2 Strength of materials and parts Price Price				
Heat dissipation per pole, current-dependent Pvid W 2.8 Equipment heat dissipation, current-dependent Pvid W 8.4 Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C -25 -25 Operating ambient temperature max. °C -55 IEC/EN 61439 design verification °C -55 10.2 Strength of materials and parts °C -50 10.2.2 Corrosion resistance Mets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures Mets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects Mets the product standard's requirements.	Technical data for design verification			
Equipment heat dissipation, current-dependent Pvid We 84 Static heat dissipation, non-current-dependent Pvs We 0 Heat dissipation capacity Pdiss We 0 Operating ambient temperature min. Pdiss °C -25 Operating ambient temperature max. °C -25 IEC/EN 61439 design verification °C -25 10.2 Strength of materials and parts °C -26 10.2.3 Lverification of thermal stability of enclosures Ferse Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects Genes the product standard's requirements.	Rated operational current for specified heat dissipation	I _n	А	63
Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C 25 Operating ambient temperature max. °C 55 IEC/EN 61439 design verification °C 7 10.2 Strength of materials and parts °C 7 10.2.2 Corrosion resistance F 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.	Heat dissipation per pole, current-dependent	P _{vid}	W	2.8
Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C -25 Operating ambient temperature max. °C 5 IEC/EN 61439 design verification °C 5 10.2 Strength of materials and parts ~ ~ 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 and fire due to internal electric effects Context standard's requirements.	Equipment heat dissipation, current-dependent	P _{vid}	W	8.4
Operating ambient temperature min. operating ambient temperature max. operating ambie	Static heat dissipation, non-current-dependent	P _{vs}	W	0
Operating ambient temperature max. *C 5 IEC/EN 61439 design verification *C 5 10.2 Strength of materials and parts * * 10.2.2 Corrosion resistance * * 10.2.3.1 Verification of thermal stability of enclosures * * 10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects * *	Heat dissipation capacity	P _{diss}	W	0
IEC/EN 61439 design verification Image: Comparison of the standard's requirements. 10.2 Strength of materials and parts Image: Comparison resistance 10.2.2 Corrosion resistance Image: Comparison of thermal stability of enclosures 10.2.3.1 Verification of thermal stability of enclosures Image: Comparison of the sistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects Image: Comparison of the product standard's requirements.	Operating ambient temperature min.		°C	-25
10.2 Strength of materials and parts Image: Construct of materials and parts Image: Construct 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 and fire due to internal electric effects Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements.	Operating ambient temperature max.		°C	55
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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 Meets the product standard's requirements. and fire due to internal electric effects Meets the product standard's requirements.	10.2.2 Corrosion resistance			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	10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
and fire due to internal electric effects	10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements.	•			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.	10.2.5 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.	10.2.6 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

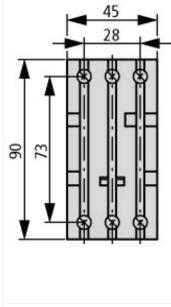
Low-voltage industrial components (EG000017) / Current limiter (EC000239)

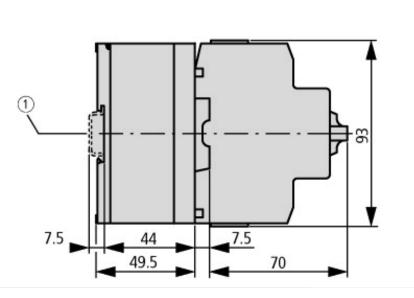
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Current limiter (ecl@ss10.0.1-27-37-04-16 [AKF014013])		
Max. apparent power	VA	0
Mounting method		DIN rail
Conditioned rated short-circuit current Iq	kA	0
Rated permanent current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