

Extension terminal, 3p, 50mm²

Part no. BK50/3-PKZ4-E
Article no. 272165
Catalog No. XTPAXLSAD

Powering Business Worldwide

Delivery program

Product range			Accessories
Accessories			Incoming terminal
For use with			PKZM4

Notes

Type E starters do not need an upstream protective device.

For use in Canada, the PKZM0/PKZM4 must be fitted with an AK-PKZ0.

Service factor (SF)

Set value Ir on the current scale, depending on the load factor

SF = 1.15 → $I_r = 1 \times I_{n\ mot}$

SF = 1 → $I_r = 0.9 \times I_{n\ mot}$

Notes

Can be combined with three-phase commoning link B3…PKZ4.

I_u = 120 A.

For surface-mounting type-E starters.

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	120
Heat dissipation per pole, current-dependent	P_{vid}	W	1
Equipment heat dissipation, current-dependent	P_{vid}	W	3
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			Please enquire
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.

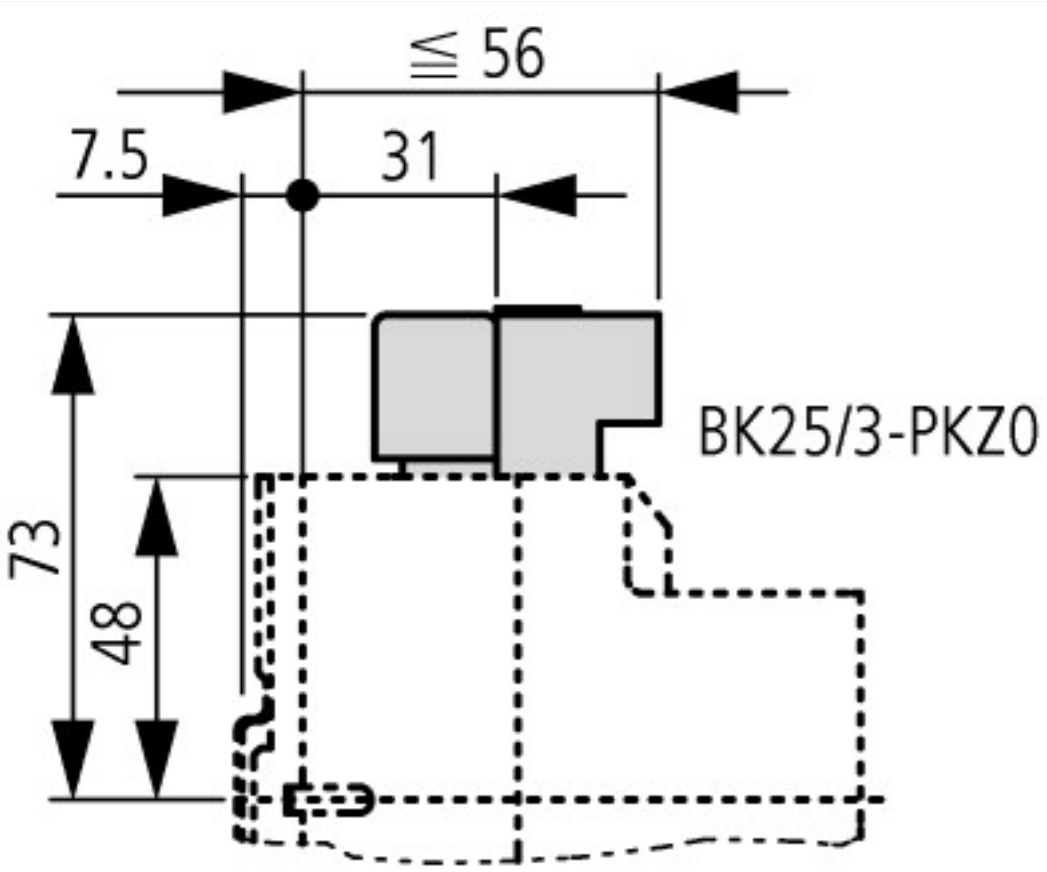
Technical data ETIM 6.0

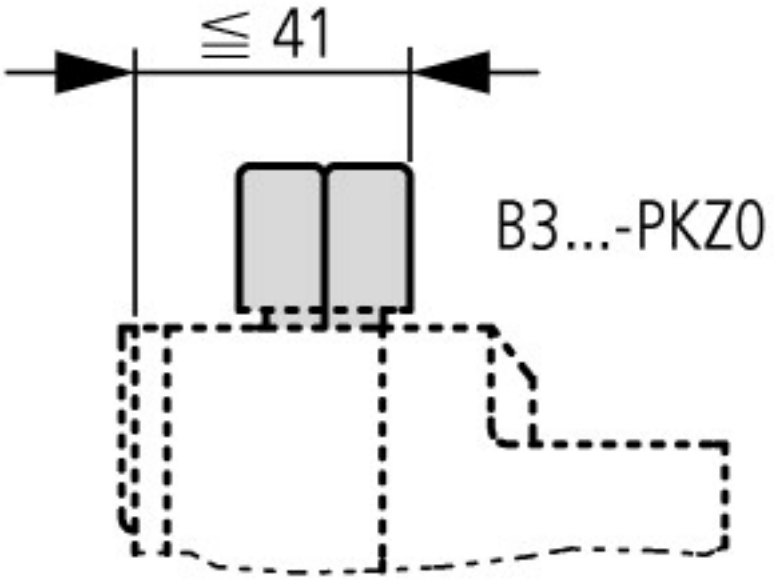
Low-voltage industrial components (EG000017) / Busbar terminal (EC000001)			
Electric engineering, automation, process control engineering / Electrical installation, device / Clamp (not overhead line) / Switch board (ecl@ss8.1-27-14-11-46 [BAA025010])			
Busbar thickness		mm	0 - 0
Busbar width		mm	0 - 0
Suitable for			-
Width clamp		mm	45
Max. conductor cross section		mm^2	50
Max. rated operation current Ie		A	128
Suitable for round conductor connection			Yes
Suitable for sector conductor connection			No
Suitable for strip conductor connection			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.			165628
CSA Class No.			3211-06
North America Certification			UL listed, CSA certified
Specially designed for North America			Yes
Suitable for			PKZM4/PKE, line terminal required for Type E/F applications

Dimensions





Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf

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