

**Extension terminal, 3p, 50mm<sup>2</sup>**

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

**Delivery program**

Product range		Accessories
Accessories		Incoming terminal
For use with		PKZM4 PKE65
<b>Terminal capacities</b>		
Solid or stranded	AWG	8 - 0
Stripping length	mm	14

**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 I<sub>r</sub> on the current scale, depending on the load factor

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

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

**Notes**

Cannot be combined with three-phase commoning link B3...PKZ4.

I<sub>u</sub> = 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 <sub>n</sub>	A	120
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	1
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	3
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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 8.0

Low-voltage industrial components (EG000017) / Busbar terminal (EC000001)		
Electric engineering, automation, process control engineering / Electrical installation, device / Terminal (not overhead line) / Switch board (ecl@ss10.0.1-27-14-11-46 [BAA025013])		
Busbar thickness	mm	0 - 0
Busbar width	mm	0 - 0
Suitable for		Other
Width clamp	mm	45
Max. conductor cross section	mm <sup>2</sup>	50
Max. rated operation current I <sub>e</sub>	A	128
Suitable for round conductor connection		Yes
Suitable for sector conductor connection		No
Suitable for strip conductor connection		No