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Worldwide English



Powering Business Worldwide

B3.0/5-PKZ0 - Three-phase busbar link, Protected against accidental contact, short-circuit proof,  $U_e = 690\text{ V}$ ,  $I_u = 63\text{ A}$ , Circuit-breaker: 5, Unit width 45 mm, Type of electric connection: Fork



232290 B3.0/5-PKZ0

[Overview](#) [Specifications](#) [Resources](#)



## 232290 B3.0/5-PKZ0

Three-phase busbar link, Protected against accidental contact, short-circuit proof,  $U_e = 690\text{ V}$ ,  $I_u = 63\text{ A}$ , Circuit-breaker: 5, Unit width 45 mm, Type of electric connection: Fork

Alternate Catalog No.

XTPAXCLKA5

EL-Nummer (Norway)

4315192

Three-phase busbar link, incoming unit via terminals 1,3,5 protective against direct contact., short-circuit proof, can be extended by rotating installation, for parallel feeding of multiple motor-protective circuit-breakers

• [Delivery program](#)

• [Technical data](#)

• [Design verification as per IEC/EN 61439](#)

• [Technical data ETIM 7.0](#)

• [Approvals](#)

• [Dimensions](#)

### Delivery program

Product range

Accessories

Accessories

Three-phase busbar link

For parallel power feed to several motor-protective circuit-breakers on terminals 1, 3, 5

Protected against accidental contact, short-circuit proof,  $U_e = 690\text{ V}$ ,  $I_u = 63\text{ A}$

Can be extended by rotating by installation

For PKZM0-... or FKE12, FKE32 without side mounted auxiliary contacts or voltage releases

When mounted on the same DIN rail, FKE12/32 and PKZM0 cannot both be connected to a three-phase commoning link.

For use with

PKZ0, FKE12, FKE32

Circuit-breaker

5 Number

Length

225 mm

Unit width

45 mm

### Technical data

Main conducting paths

Rated impulse withstand voltage [ $U_{imp}$ ]

6000 V AC

Overvoltage category/pollution degree

III/3

Rated operational voltage [ $U_e$ ]

690 V AC

Rated uninterrupted current [ $I_u$ ]

63 A

### Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [ $I_r$ ]  
63 A

Heat dissipation per pole, current-dependent [ $P_{id}$ ]  
2.5 W

Equipment heat dissipation, current-dependent [ $P_{id}$ ]  
7.5 W

Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
0 W

Heat dissipation capacity [ $P_{diss}$ ]  
0 W

Operating ambient temperature min.  
-25 °C

Operating ambient temperature max.  
+55 °C

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures  
Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat  
Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation  
Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting  
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact  
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage  
Is the panel builder's responsibility.

10.9 Insulation properties 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) / Phase busbar (EC000215)  
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Phase busbar (ec1@ss10.0.1-27-37-13-06 [ACN992011])

Number of phases  
3

Number of poles

3  
Suitable for number of devices  
5  
Pitch dimensions  
45 mm  
Cross section  
0 mm<sup>2</sup>  
Length  
225 mm  
Number of modular spacings  
0  
Rated permanent current I<sub>u</sub>  
63 A  
Type of electric connection  
Fork  
Insulated  
Yes  
Rated surge voltage  
6 kV  
Conditioned rated short-circuit current I<sub>q</sub>  
0 kA  
Max. rated operation voltage U<sub>e</sub>  
690 V  
Rated short-time withstand current I<sub>cw</sub>  
0 kA  
Suitable for devices with N-busbar  
No  
Suitable for devices with auxiliary switch  
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.  
98494  
CSA Class No.  
3211-06  
North America Certification  
UL listed, CSA certified  
Specially designed for North America  
No

## Dimensions



## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)

## DWG files

- [DA-CD-b3\\_0\\_5\\_pkz0](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.B3.0\\_5-PKZ0](#)  
File  
(Web)


## Step files

- [DA-CS-b3\\_0\\_5\\_pkz0](#)  
File  
(Web)

## Additional product information

- [Motor starters and "Special Purpose Ratings" for the North American market](#)  
(PDF)
- [Busbar Component Adapters for modern Industrial control panels](#)  
(PDF)


## 3D drawing

-   
[121I030](#)  
Line drawing  
Three-phase busbar link

## Product photo

-   
[1210PIC-71](#)  
Photo  
Three-phase busbar link

## Dimensions single product

-   
[1210DIM-19](#)  
Line drawing  
Three-phase busbar link

## Declaration of Conformity

### EU

- [PKZM01 \(DA-DC-00003627\)](#)  
Asset  
(PDF)
- [PKZM0 \(DA-DC-00003629\)](#)  
Asset  
(PDF)
- [PKZMC \(DA-DC-00004066\)](#)  
Asset  
(PDF)
- [PKE12 \(DA-DC-00004073\)](#)  
Asset  
(PDF)
- [PKE32 \(DA-DC-00004074\)](#)  
Asset  
(PDF)
- [PKM0 \(DA-DC-00004075\)](#)  
Asset  
(PDF)
- [PKZM0 -EA \(DA-DC-00004076\)](#)  
Asset  
(PDF)
- [PKZM01 -EA \(DA-DC-00004077\)](#)  
Asset  
(PDF)
- [PKZM0...-SP32 Motor protection circuit breaker \(DA-DC-00004085\)](#)  
Asset  
(PDF)
- [PKZM0...-SP16 Motor protection circuit breaker \(DA-DC-00004086\)](#)  
Asset

(PDF)

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