B3.0/3-PKZ0 - Three-phase busbar link, Protected against accidental contact, short-circuit proof, Ue = 690 V, Iu = 63 A, Circuit-breaker: 3, Unit width 45 mm, Type of electric connection: Fork

232289 B3.0/3-PKZ0

232289 B3.0/3-PKZ0

Three-phase busbar link, Protected against accidental contact, short-circuit proof, Ue = 690 V, Iu = 63 A, Circuit-breaker: 3, Unit width 45 mm, Type of electric connection: Fork

Alternate Catalog No.	XTPAXCLKA3
EL-Nummer (Norway)	4315191

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 V, I_u = 63 A
Can be extended by rotating by installation
For PKZM0-... or PKE12, PKE32 without side mounted auxiliary contacts or voltage releases
When mounted on the same DIN rail, PKE12/32 and PKZM0 cannot both be connected to a three-phase commoning link.
For use with
PKZ0, PKE12, PKE32
Circuit-breaker
3 Number
Length
135 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_n]
63 A
Heat dissipation per pole, current-dependent [P_{vid}]
1.5 W
Equipment heat dissipation, current-dependent [P_{vid}]
4.5 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 parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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

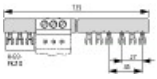
Low-voltage industrial components (EG000017) / Phase busbar (EC000215)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Phase busbar (ecl@ss10.0.1-27-37-13-06 [ACN992011])
Number of phases
3
Number of poles
3

Suitable for number of devices
3
Pitch dimensions
45 mm
Cross section
0 mm²
Length
135 mm
Number of modular spacings
0
Rated permanent current Iu
63 A
Type of electric connection
Fork
Insulated
Yes
Rated surge voltage
6 kV
Conditioned rated short-circuit current Iq
0 kA
Max. rated operation voltage Ue
690 V
Rated short-time withstand current Icw
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_3_pkz0
  File
  (Web)

edz files

- DA-CE-ETN.B3.0_3-PKZ0
  File
  (Web)

Step files

- DA-CS-b3_0_3_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)

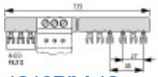
3D drawing

- 
  121I028
  Line drawing
  Three-phase busbar link

Product photo

- 
  1210PIC-69
  Photo
  Three-phase busbar link

Dimensions single product

- 
  1210DIM-18
  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..-SPI32 Motor protection circuit breaker (DA-DC-00004085)
  Asset
  (PDF)
- PKZM0..-SPI16 Motor protection circuit breaker (DA-DC-00004086)

Asset
(PDF)

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