044945
B3.1/2-PKZ0

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 PKE attached on the right with an auxiliary contact or trip indicating signal
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
2 Number

Length
99 mm

Unit width
45 + 9 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}]
1.1 W

Equipment heat dissipation, current-dependent [P_{vid}]
3.3 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 (ecl@ss10.0.1-27-37-13-06 [ACN992011])

Number of phases
3

Number of poles
3

Suitable for number of devices
2

Pitch dimensions
54 mm

Cross section
0 mm²

Length
99 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

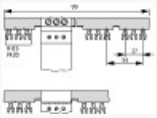
CSA File No.
98494

CSA Class No.
3211-06

North America Certification
UL listed, CSA certified

Specially designed for North America
No

DIMENSIONS



Three-phase commoning link

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