

Three-phase busbar link, Circuit-breaker: 2, 119 mm



**Part no.**                    **B3.1/2-PKZ4**  
**220223**

<b>General specifications</b>		
Product name		Eaton Moeller® series B3 Accessory Three-phase busbar link
Part no.		B3.1/2-PKZ4
EAN		4015082202231
Product Length/Depth		117 millimetre
Product height		36 millimetre
Product width		33 millimetre
Product weight		0.143 kilogram
Certifications		UL 508 IEC/EN 60947-4-1 CE CSA-C22.2 No. 14 UL Category Control No.: NLRV UL File No.: E36332 CSA File No.: 165628 UL CSA Class No.: 3211-06 CSA
Product Tradename		B3
Product Type		Accessory
Product Sub Type		Three-phase busbar link
<b>Features &amp; Functions</b>		
Color		Black
Electric connection type		Pin
Features		Insulated
Number of phases		3
Number of poles		Three-pole
<b>General information</b>		
Mounting width		55 + 9 mm
Overvoltage category		III
Pollution degree		3
Product category		Accessories
Rated impulse withstand voltage (Uimp)		6000 V AC
Suitable for		2 Circuit-breakers
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
<b>Electrical rating</b>		
Rated operational voltage (Ue) - max		690 V
Rated operational voltage (Ue) at AC - max		690 V
Rated uninterrupted current (Iu)		128 A
<b>Short-circuit rating</b>		
Rated conditional short-circuit current (Iq)		0 kA
Rated short-time withstand current (Icw)		0 kA
<b>Design verification</b>		
Equipment heat dissipation, current-dependent Pvid		6 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		2 W
Rated operational current for specified heat dissipation (In)		128 A
Static heat dissipation, non-current-dependent Pvs		0 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
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.
10.9.2 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 9.0

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@ss13-27-37-13-06 [ACN992016])		
Number of phases		3
Number of poles		3
Suitable for number of devices		2
Module width	mm	64
Cross section	mm <sup>2</sup>	0
Length	mm	117
Can be cut to size		No
Width in number of modular spacings		6.61
Rated permanent current I <sub>u</sub>	A	128
Type of electric connection		Pin
Insulated		Yes
Rated surge voltage	kV	6
Conditioned rated short-circuit current I <sub>q</sub>	kA	0
Max. rated operation voltage U <sub>e</sub>	V	690
Rated short-time withstand current I <sub>cw</sub>	kA	0
Suitable for devices with N-conductor		No
Suitable for devices with auxiliary switch		No
Colour		Black