



Color: ■ light gray Similar to illustration

Electrical data			
Ratings per IEC/EN		Ex information	
Nominal voltage (III/3)	800 V	Rated current (Ex e II)	30 A
Rated current	32 A		

Physical data	
Width	10.3 mm / 0.406 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches
Jumper assignment	1-2

Material data	
Note (material data)	
	<u>Information on material specifications can be found here</u>
Color	light gray
Material group	1
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.007 MJ
Weight	1.4 g

Environmental requirements			
Processing temperature	-35 +85 °C	Environmental Testing (Environm	ental Conditions)
Continuous operating temperature	-60 +105 °C	Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
		Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
		Spectrum/Installation location	Service life test, Category 1, Class A/B
		Function test with noise-like vibration	Test passed according to Section 8 of the standard

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Environmental Testing (Environmental Conditions)				
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$			
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)			
Test duration per axis	10 min. 5 h			
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes			
Monitoring for contact faults/interruptions	Passed			
Voltage drop measurement before and after each axis	Passed			
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard			
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed			
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed			
Shock test	Test passed according to Section 10 of the standard			
Shock form	Half sine			
Shock duration	30 ms			
Number of shocks per axis	3 pos. und 3 neg.			
Vibration and shock stress for rolling	Passed			

Commercial data	
Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-40
eCl@ss 9.0	27-14-11-40
ETIM 9.0	EC000489
ETIM 8.0	EC000489
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143700153
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations



stock equipment

Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product

Compliance 2004-402



Documentation

Additiona	I Information
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Technical Section 2246.92 KB

Bid Text			
2004-402	19.02.2019	xml 2.51 KB	\perp
2004-402	28.04.2017	doc 23.50 KB	$\underline{\downarrow}$

CAD/CAE-Data

CAD data

2D/3D Models 2004-402



EPLAN Data Portal 2004-402



ZUKEN Portal

2004-402



Installation Notes

Commoning



Insert push-in type jumper bar and push down until it hits backstop.



Removing a push-in type jumper bar:

Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper. Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Commoning







Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

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Commoning



Stepping down via push-in type jumper bar.



Stepping down via push-in type jumper

Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).



Stepping down via push-in type jumper bar:

Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



Note:

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar

Subject to changes. Please also observe the further product documentation!

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