



Color: ■ light gray

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	60.1 mm / 2.366 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches
Jumper assignment	1-2-3-4-5-6-7-8-9-10

Material data

Note (material data)		<a href="#">Information on material specifications can be found here</a>
Color	light gray	
Fire load	0.038 MJ	
Weight	7.5 g	

Environmental requirements

Environmental Testing (Environmental Conditions)		Environmental Testing (Environmental Conditions)	
Test specification	DIN EN 50155 (VDE 0115-200):2022-06	Test directions	X, Y and Z axes
Railway applications – Rolling stock – Electronic equipment		Monitoring for contact faults/interruptions	Passed
Test procedure	DIN EN 61373 (VDE 0115-0106):2011-04	Voltage drop measurement before and after each axis	Passed
Railway applications – Rolling stock equipment – Shock and vibration tests		Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Spectrum/Installation location	Service life test, Category 1, Class A/B	Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Acceleration	0.572g (highest test level used for all axes)
Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz	Test duration per axis	5 h
Acceleration	0.101g (highest test level used for all axes)	Test directions	X, Y and Z axes
Test duration per axis	10 min.	Extended test scope: Monitoring for contact faults/interruptions	Passed



Environmental Testing (Environmental Conditions)	
Extended test scope: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Test directions	X, Y and Z axes
Extended test scope: Monitoring for contact faults/interruptions	Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed

Commercial data	
Product Group	22 (TOPJOB S)
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143700634
Customs tariff number	85366990990

Product classification	
UNSPSC	39121421
eCl@ss 10.0	27-14-11-40
eCl@ss 9.0	27-14-11-40
ETIM 9.0	EC000489
ETIM 8.0	EC000489
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations



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



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 2004-410			

Documentation

Bid Text			
2004-410	19.02.2019	xml 2.52 KB	
2004-410	28.04.2017	doc 23.50 KB	

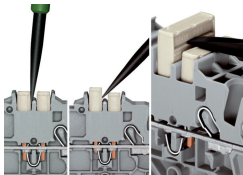
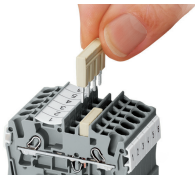
CAD/CAE-Data

CAD data	
2D/3D Models 2004-410	

CAE data	
EPLAN Data Portal 2004-410	
WSCAD Universe 2004-410	
ZUKEN Portal 2004-410	

Installation Notes

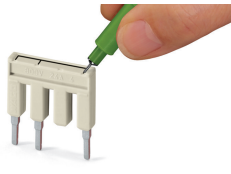
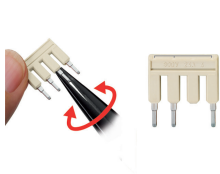
Commoning



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

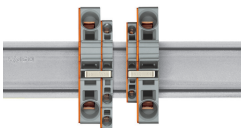
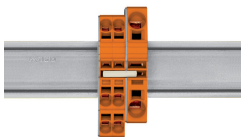
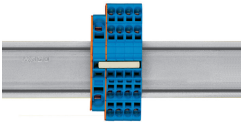


Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.



Commoning



Stepping down via push-in type jumper bar.

**Stepping down via push-in type jumper bar:**  
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) or from 6 mm<sup>2</sup> (10 AWG) to 2.5 mm<sup>2</sup> (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 mm<sup>2</sup> (6 AWG) and 10 mm<sup>2</sup> (8 AWG) and one cross-section size for 6/4/2.5 mm<sup>2</sup> (10/12/14 AWG). An example: from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) (see illustration above) or from 10 mm<sup>2</sup> (8 AWG) to 4 mm<sup>2</sup> (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.