



Color: ■ light gray



Technical data	
Number of spacings	5 -times

Electrical data	
Rated current	32 A

Physical data	
Width	29 mm / 1.142 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches

Material data		
Color		light gray
Fire load		0.017 MJ
Weight		3.7 g

Commercial data		
Product Group		22 (TOPJOB S)
PU (SPU)		25 pcs
Packaging type		Bag
Country of origin		DE
GTIN		4055143699891
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 10.0		EC000489
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Environmental requirements

Environmental Testing		Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Shock test	Test passed according to Section 10 of the standard
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Shock pulse form	Half sine
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Acceleration	5g (highest test level used for all axes)
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Shock duration	30 ms
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	Number of shocks (per axis)	3 pos. und 3 neg.
Acceleration	0.101g (highest test level used for all axes)	Test directions	X, Y and Z axes
Test duration per axis	10 min.	Extended testing: Monitoring of contact faults and interruptions	Passed
Test directions	X, Y and Z axes	Extended testing: Voltage drop measurement before and after each axis	Passed
Monitoring of contact faults and interruptions	Passed	Vibration and shock stress for rolling stock equipment	Passed
Voltage drop measurement before and after each axis	Passed		
Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard		
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz		
Acceleration	0.572g (highest test level used for all axes)		
Test duration per axis	5 h		
Test directions	X, Y and Z axes		
Extended testing: Monitoring of contact faults and interruptions	Passed		
Extended testing: Voltage drop measurement before and after each axis	Passed		



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 2004-405



Documentation

Bid Text			
2004-405	19.02.2019	xml 2.51 KB	
2004-405	28.04.2017	doc 23.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 2004-405

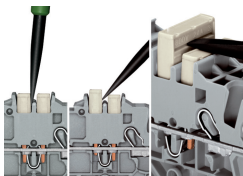
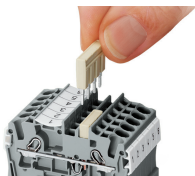


CAE data
EPLAN Data Portal 2004-405
WSCAD Universe 2004-405
ZUKEN Portal 2004-405



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



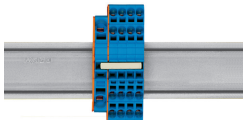
Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

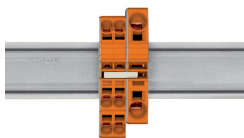
Commoning



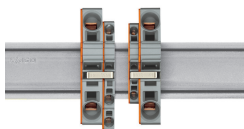
Stepping down via push-in type jumper bar.



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 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.