



Color: ■ light gray



Technical data	
Number of spacings	9 -times

Electrical data	
Rated current	18 A

Physical data	
Width	36.6 mm / 1.441 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches



Material data	
Color	light gray
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.024 MJ
Weight	3.3 g

Commercial data	
Product Group	22 (TOPJOB S)
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143699372
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	Extended testing: Voltage drop measure- ment before and after each axis	Passed
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Shock test	Test passed according to Section 10 of the standard
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Shock pulse form	Half sine
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Acceleration	5g (highest test level used for all axes)
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	Shock duration	30 ms
Acceleration	0.101g (highest test level used for all axes)	Number of shocks (per axis)	3 pos. und 3 neg.
Test duration per axis	10 min.	Test directions	X, Y and Z axes
Test directions	X, Y and Z axes	Extended testing: Monitoring of contact faults and interruptions	Passed
Monitoring of contact faults and interrup- tions	Passed	Extended testing: Voltage drop measure- ment before and after each axis	Passed
Voltage drop measurement before and after each axis	Passed	Vibration and shock stress for rolling stock equipment	Passed
Simulated service life test through in- creased 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		

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 2001-409



Documentation

Bid Text			
2001-409	19.02.2019	xml 2.51 KB	
2001-409	27.04.2017	doc 23.50 KB	

CAD/CAE-Data

CAD data
2D/3D Models 2001-409

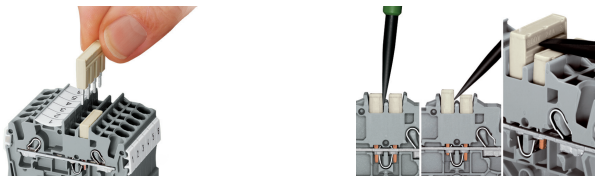


CAE data
EPLAN Data Portal 2001-409
WSCAD Universe 2001-409
ZUKEN Portal 2001-409



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



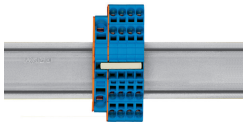
Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

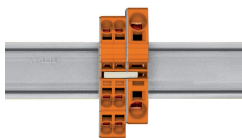
Commoning



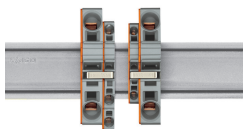
Stepping down via push-in type jumper bar.



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.