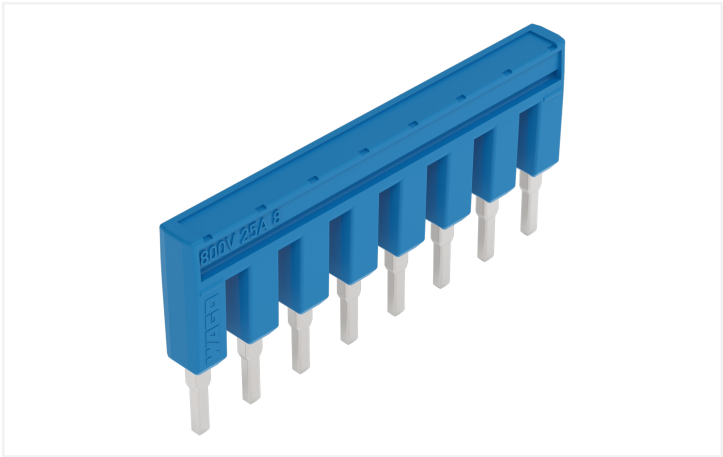




Color: ■ blue

Electrical data

Ratings per IEC/EN		Ex information	
Nominal voltage (III/3)	800 V	Rated current (Ex e II)	20 A
Rated current	25 A		

Physical data

Width	39.9 mm / 1.571 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches
Jumper assignment	1-2-3-4-5-6-7-8

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Fire load	0.028 MJ
Weight	4.1 g

Environmental requirements

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



Environmental Testing	
Shock test	Test passed according to Section 10 of the standard
Shock pulse 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 testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed

Commercial data		
PU (SPU)		25 pcs
Packaging type		Bag
Country of origin		DE
GTIN		4055143690409
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			↓
2002-408/000-006			

Documentation

Bid Text			
2002-408/000-006	19.02.2019	xml 2.52 KB	↓
2002-408/000-006	27.04.2017	doc 24.00 KB	↓

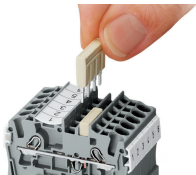
CAD/CAE-Data

CAD data	
2D/3D Models	
2002-408/000-006	↓

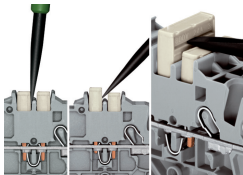
CAE data	
EPLAN Data Portal	↓
2002-408/000-006	
WSCAD Universe	↓
2002-408/000-006	
ZUKEN Portal	↓
2002-408/000-006	

Installation Notes

Commoning

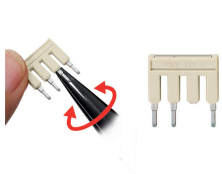


Insert push-in type jumper bar and push down until it hits backstop.

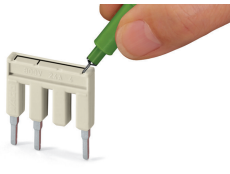


Removing a push-in type jumper bar:
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Commoning

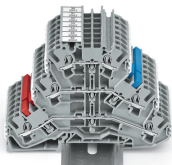


Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Marking with a felt-tip pen.

Commoning

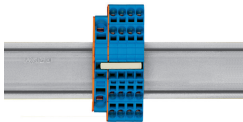


For example, colored push-in type jumper bars are used with sensor terminal blocks.

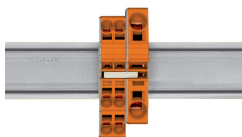
Commoning



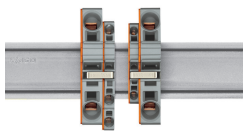
Stepping down via push-in type jumper bar.



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.