



Color: ■ light gray



Technical data	
Number of spacings	2 -times
Electrical data	
Rated current	57 A
Physical data	
Width	17.5 mm / 0.689 inches
Height	4.1 mm / 0.161 inches
Depth	23 mm / 0.906 inches



Material data		
Color		light gray
Fire load		0.014 MJ
Weight		3.9 g

Commercial data		
Product Group		22 (TOPJOB S)
PU (SPU)		25 pcs
Packaging type		Bag
Country of origin		DE
GTIN		4055143701938
Customs tariff number		85366990990

Product Classification		
UNSPSC		39121410
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 2010-402
↓

Documentation

Bid Text			
2010-402	28.04.2017	doc 23.50 KB	↓
2010-402	19.02.2019	xml 2.51 KB	↓

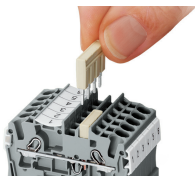
CAD/CAE-Data

CAD data
2D/3D Models 2010-402
↓

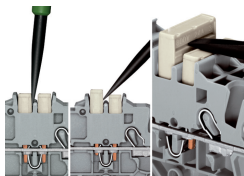
CAE data
EPLAN Data Portal 2010-402
↓
WSCAD Universe 2010-402
↓
ZUKEN Portal 2010-402
↓

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.



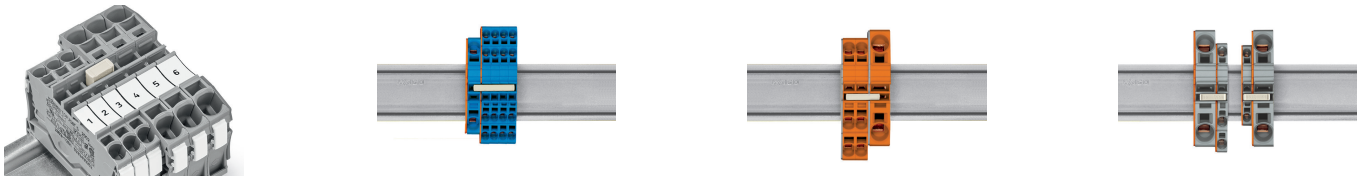
Commoning



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

Marking with a felt-tip pen.

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.