### Data Sheet | Item Number: 2016-405 Jumper; 5-way; insulated; light gray

https://www.wago.com/2016-405





Color: ■ light gray

Electrical data				
Ratings per IEC/EN		Ex information		
Nominal voltage (III/3)	800 V	Rated current (Ex e II)	65 A	
Rated current	76 A			

Physical data		
Width	57.5 mm / 2.264 inches	
Height	4.1 mm / 0.161 inches	
Depth	23 mm / 0.906 inches	
Jumper assignment	1-2-3-4-5	

Material data	
Note (material data)	Information on material specifications can be found here
Color	light gray
Fire load	0.049 MJ
Weight	13 g

weight			13 9		
Environmental requirements					
Environmental Testing (Environmental Conditions)			Environmental Testing (Environmental Conditions)		
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06  DIN EN 61373 (VDE 0115-0106):2011-04  Service life test, Category 1, Class A/B  Test passed according to Section 8 of the standard		Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes)	
Test procedure Railway applications – Rolling stock equipment –			Test duration per axis	5g (highest test level used for all axes) 10 min. 5 h	
Shock and vibration tests Spectrum/Installation location			Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes	
Function test with noise-like vibration			Monitoring for contact faults/interrupti-	Passed	
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$		ons  Voltage drop measurement before and after each axis	Passed	
			Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard	

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## **Environmental Testing (Environmental Conditions)**

Extended test scope: Monitoring for contact faults/interruptions Passed Extended test scope: Voltage drop mea-Passed surement before and after each axis Passed

Shock test Test passed according to Section 10 of

the standard

Shock form Half sine Shock duration 30 ms

3 pos. und 3 neg. Number of shocks per axis

Vibration and shock stress for rolling

stock equipment

Passed

Commercial data	
Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-40
eCl@ss 9.0	27-14-11-40
ETIM 9.0	EC000489
ETIM 8.0	EC000489
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143702195
Customs tariff number	85366990990

#### **Environmental Product Compliance**

RoHS Compliance Status Compliant, No Exemption

#### Approvals / Certificates

Declarations of conformity and manufacturer's declarations



Approval Standard **Certificate Name** Railway Railway Ready

WAGO GmbH & Co. KG

#### Downloads

#### **Environmental Product Compliance**

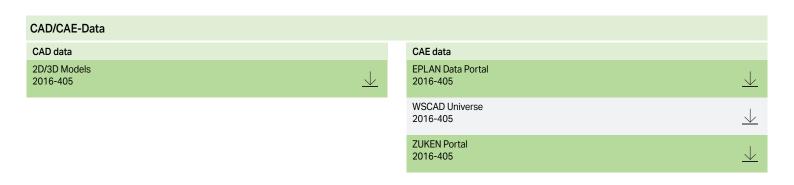
Compliance Search

**Environmental Product** Compliance 2016-405





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#### **Installation Notes**

#### Commoning



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

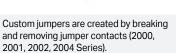


Removing a push-in type jumper bar: Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper. Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

#### Commoning









Marking with a felt-tip pen.

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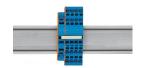
https://www.wago.com/2016-405



#### Commoning



Stepping down via push-in type jumper bar.



### Stepping down via push-in type jumper

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 har

Subject to changes. Please also observe the further product documentation!

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