Data Sheet | Item Number: 2002-439

Jumper; from 1 to 9; insulated; light gray

https://www.wago.com/2002-439



Color: light gray

Similar to illustration

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	800 V
Rated current	25 A

Ex information

Rated current (Ex e II)	20 A

Physical data

Width	45.2 mm / 1.78 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches
Jumper assignment	1-9

Material data

Note (material data)	Information on material specifications can be found here
Color	light gray
Fire load	0.022 MJ
Weight	2.6 g

Environmental requirements

Environmental Testing (Environmental Conditions)

Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f_1 = 5 Hz to f_2 = 150 Hz f_1 = 5 Hz to f_2 = 150 Hz

Environmental Testing (Environmental Conditions)

Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
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 Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data

Product Group	22 (TOPJOB S)
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143691673
Customs tariff number	85366990990

Product classification

UNSPSC	39121421

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 2002-439

Continued on next page

Documentation

Bid Text

2002-439	19.02.2019	xml 2.52 KB	
2002-439	27.04.2017	doc 24.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models
2002-439

CAE data

EPLAN Data Portal
2002-439

WSCAD Universe
2002-439

ZUKEN Portal
2002-439