



Color: ■ light gray Similar to illustration

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	1-8		
Material data			
Note (material data)		Information on material specifications can be found here	
Color	light gray		
Fire load	0.02 MJ		
Weight	2.3 g		
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	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 procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04	Test duration per axis	10 min. 5 h
Spectrum/Installation location	Service life test, Category 1, Class A/B	Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Monitoring for contact faults/interruptions	Passed
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz	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



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	4055143691666
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 2002-438	



Documentation			
Bid Text			
2002-438	19.02.2019	xml 2.52 KB	↓
2002-438	27.04.2017	doc 24.00 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2002-438	EPLAN Data Portal 2002-438
↓	↓
	WSCAD Universe 2002-438
	↓
	ZUKEN Portal 2002-438
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