



Color: ■ orange Similar to illustration

Electrical data

Ratings per IEC/EN	
Nominal voltage (III/3)	500 V
Rated current	30 A

Physical data

Width	47.2 mm / 1.858 inches
Depth	13 mm / 0.512 inches
Jumper assignment	1-2-3-4-5-6

Material data

Note (material data)	
Information on material specifications can be found here	
Color	orange
Fire load	0.037 MJ
Weight	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
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)

Environmental Testing (Environmental Conditions)	
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
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



Environmental Testing (Environmental Conditions)	
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)	50 (10) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821484943
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 2007-8446	↓

Documentation

Bid Text			
2007-8446	19.02.2019	xml 2.53 KB	↓
2007-8446	28.04.2017	doc 23.00 KB	↓

CAD/CAE-Data	
CAD data 2D/3D Models 2007-8446 ↓	CAE data EPLAN Data Portal 2007-8446 ↓
	WSCAD Universe 2007-8446 ↓
	ZUKEN Portal 2007-8446 ↓

Installation Notes

Commoning



Preparing shorting path for the current transformer circuits.



Insert insulated, touch-proof circuit jumpers into jumper slot.



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