



Color: ■ light gray

Electrical data

Ratings per IEC/EN		Ex information	
Nominal voltage (III/3)	800 V	Rated current (Ex e II)	12 A
Rated current	14 A		

Physical data

Width	9.4 mm / 0.37 inches
Height	4.1 mm / 0.161 inches
Depth	19 mm / 0.748 inches
Jumper assignment	1-3

Material data

Note (material data)	Information on material specifications can be found here
Color	light gray
Fire load	0.006 MJ
Weight	0.7 g

Environmental requirements

Environmental Testing		Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Monitoring of contact faults and interrup- tions	Passed
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Voltage drop measurement before and after each axis	Passed
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Simulated service life test through incre- ased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Functional test with noise-like oscillati- ons	Test passed according to Section 8 of the standard	Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	Acceleration	0.572g (highest test level used for all axes)
Acceleration	0.101g (highest test level used for all axes)	Test duration per axis	5 h
Test duration per axis	10 min.	Test directions	X, Y and Z axes
Test directions	X, Y and Z axes	Extended testing: Monitoring of contact faults and interruptions	Passed
		Extended testing: Voltage drop measure- ment before and after each axis	Passed



Environmental Testing	
Shock test	Test passed according to Section 10 of the standard
Shock pulse form	Half sine
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks (per axis)	3 pos. und 3 neg.
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
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	4055143697071
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121421
eCl@ss 10.0	27-14-11-40
eCl@ss 9.0	27-14-11-40
ETIM 9.0	EC000489
ETIM 8.0	EC000489
ECCN	NO US CLASSIFICATION

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 2000-433			↓

Documentation			
Bid Text			
2000-433	19.02.2019	xml 2.52 KB	↓
2000-433	27.04.2017	doc 23.50 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 2000-433		↓	
		EPLAN Data Portal 2000-433	↓
		WSCAD Universe 2000-433	↓
		ZUKEN Portal 2000-433	↓