



Color: ■ gray

Physical data	
Width	0.8 mm / 0.031 inches
Height	69.2 mm / 2.724 inches
Depth	51.9 mm / 2.043 inches

Mechanical data	
Mounting type	snap-on type

Material data	
Note (material data)	
<a href="#">Information on material specifications can be found here</a>	
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.072 MJ
Weight	2.4 g

Environmental requirements			
Environmental Testing (Environmental Conditions)		Environmental Testing (Environmental Conditions)	
Test specification	DIN EN 50155 (VDE 0115-200):2022-06	Monitoring for contact faults/interruptions	Passed
Railway applications – Rolling stock – Electronic equipment		Voltage drop measurement before and after each axis	Passed
Test procedure	DIN EN 61373 (VDE 0115-0106):2011-04	Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Railway applications – Rolling stock equipment – Shock and vibration tests		Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
Spectrum/Installation location	Service life test, Category 1, Class A/B	Acceleration	0.572g (highest test level used for all axes)
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Test duration per axis	5 h
Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz	Test directions	X, Y and Z axes
Acceleration	0.101g (highest test level used for all axes)	Extended test scope: Monitoring for contact faults/interruptions	Passed
Test duration per axis	10 min.	Extended test scope: Voltage drop measurement before and after each axis	Passed
Test directions	X, Y and Z axes		



Environmental Testing (Environmental Conditions)	
Shock test	Test passed according to Section 10 of the standard
Shock 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 test scope: Monitoring for contact faults/interruptions	Passed
Extended test scope: 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)	100 (25) pcs
Packaging type	Box
Country of origin	CN
GTIN	4044918691161
Customs tariff number	85389099990

Product classification	
UNSPSC	39121702
eCl@ss 10.0	27-14-11-33
eCl@ss 9.0	27-14-11-33
ETIM 9.0	EC000886
ETIM 8.0	EC000886
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approvals for hazardous areas



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready



Approval	Standard	Certificate Name
IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb)



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 2002-2291			<a href="#">↓</a>

Documentation			
Bid Text			
2002-2291	27.04.2017	doc 23.50 KB	<a href="#">↓</a>
2002-2291	19.02.2019	xml 2.51 KB	<a href="#">↓</a>

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 2002-2291	<a href="#">↓</a>	EPLAN Data Portal 2002-2291	<a href="#">↓</a>
		WSCAD Universe 2002-2291	<a href="#">↓</a>
		ZUKEN Portal 2002-2291	<a href="#">↓</a>