

Color: ■ gray

Physical data	
Width	0.8 mm / 0.031 inches
Height	104.6 mm / 4.118 inches
Depth	52.9 mm / 2.083 inches

Mechanical data	
Mounting type	snap-on type

Material data	
Note (material data)	
Information on material specifications can be found here	
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.127 MJ
Weight	3.6 g

Environmental requirements			
Environmental Testing (Environmental Conditions)		Environmental Testing (Environmental Conditions)	
Test specification	DIN EN 50155 (VDE 0115-200):2022-06	Test duration per axis	10 min. 5 h
Railway applications – Rolling stock – Electronic equipment		Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Test procedure	DIN EN 61373 (VDE 0115-0106):2011-04	Monitoring for contact faults/interruptions	Passed
Railway applications – Rolling stock equipment – Shock and vibration tests		Voltage drop measurement before and after each axis	Passed
Spectrum/Installation location	Service life test, Category 1, Class A/B	Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz	Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
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)	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)
eCl@ss 10.0	27-14-11-33
eCl@ss 9.0	27-14-11-33
ETIM 9.0	EC000886
ETIM 8.0	EC000886
PU (SPU)	100 (25) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454538002
Customs tariff number	85389099990

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	Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready	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 2002-2491	



Documentation				
Additional Information		Bid Text		
Technical Section	pdf 2246.92 KB		xml 2.51 KB	
		2002-2491 19.02.2019		
		2002-2491 27.04.2017	doc 23.50 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2002-2491	EPLAN Data Portal 2002-2491
	WSCAD Universe 2002-2491
	ZUKEN Portal 2002-2491