



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
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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	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$	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
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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

Technical Section	pdf 2246.92 KB	
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Bid Text

2002-2491	19.02.2019	xml 2.51 KB	
2002-2491	27.04.2017	doc 23.50 KB	

CAD/CAE-Data

CAD data

2D/3D Models 2002-2491	
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CAE data

EPLAN Data Portal 2002-2491	
WSCAD Universe 2002-2491	
ZUKEN Portal 2002-2491	