



Color: ■ gray

Physical data

Width	0.8 mm / 0.031 inches
Height	48.3 mm / 1.902 inches
Depth	28.9 mm / 1.138 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	0.036 MJ
Weight	1.2 g

Environmental requirements

Environmental Testing (Environmental Conditions)		Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Test duration per axis	10 min. 5 h
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04	Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Spectrum/Installation location	Service life test, Category 1, Class A/B	Monitoring for contact faults/interruptions	Passed
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Voltage drop measurement before and after each axis	Passed
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$	Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
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)	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)	100 (25) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143234085
Customs tariff number	85389099990

Product classification	
UNSPSC	39121702

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
CCC CNEX	GB/T 3836.3	2020312313000238 (Ex eb IIC Gb, Ex eb I Mb)
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 2002-1291 ↓

Documentation

Bid Text

2002-1291	19.02.2019	xml 2.51 KB	↓
2002-1291	27.04.2017	doc 23.50 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 2002-1291	↓
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CAE data

EPLAN Data Portal 2002-1291	↓
WSCAD Universe 2002-1291	↓
ZUKEN Portal 2002-1291	↓