



Color: ■ orange

### Physical data

Width	1 mm / 0.039 inches
Height	103.5 mm / 4.075 inches
Depth	83.9 mm / 3.303 inches

### Mechanical data

Mounting type	snap-on type
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### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	orange
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.208 MJ
Weight	6.9 g

### Environmental requirements

Environmental Testing		Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Acceleration	0.101g (highest test level used for all axes)
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Test duration per axis	10 min.
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Test directions	X, Y and Z axes
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Monitoring of contact faults and interruptions	Passed
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$	Voltage drop measurement before and after each axis	Passed
		Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
		Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$

Environmental Testing	
Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	5 h
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
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)	100 (25) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454914066
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 10.0	EC000886
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

#### Approvals for hazardous areas



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 2002-4192



**Documentation**

**Bid Text**

2002-4192	19.02.2019	xml 2.51 KB	
2002-4192	27.04.2017	doc 23.50 KB	

**CAD/CAE-Data**

**CAD data**

2D/3D Models  
2002-4192



**CAE data**

EPLAN Data Portal  
2002-4192



WSCAD Universe  
2002-4192



ZUKEN Portal  
2002-4192

