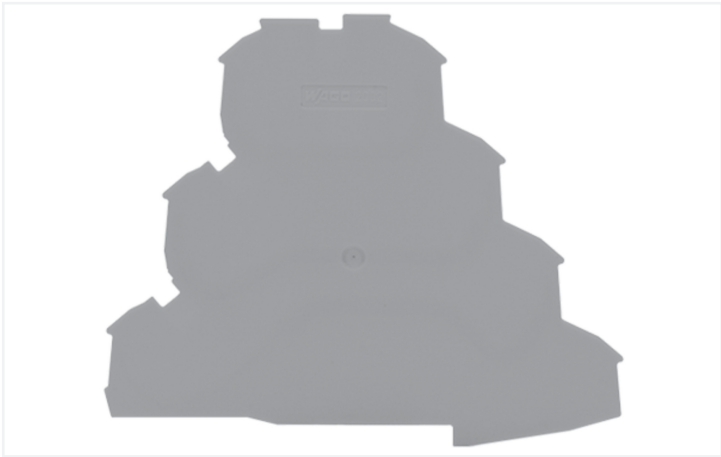




Color: ■ gray

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

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	0.208 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	Voltage drop measurement before and after each axis	Passed
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Acceleration	0.572g (highest test level used for all axes)
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	Test duration per axis	5 h
Acceleration	0.101g (highest test level used for all axes)	Test directions	X, Y and Z axes
Test duration per axis	10 min.	Extended testing: Monitoring of contact faults and interruptions	Passed
Test directions	X, Y and Z axes	Extended testing: Voltage drop measurement before and after each axis	Passed
Monitoring of contact faults and interruptions	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)



Environmental Testing	
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	4045454914059
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	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 2002-4191			↓

Documentation			
Bid Text			
2002-4191	19.02.2019	xml 2.51 KB	↓
2002-4191	27.04.2017	doc 23.50 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 2002-4191		EPLAN Data Portal 2002-4191	↓
		WSCAD Universe 2002-4191	↓
		ZUKEN Portal 2002-4191	↓