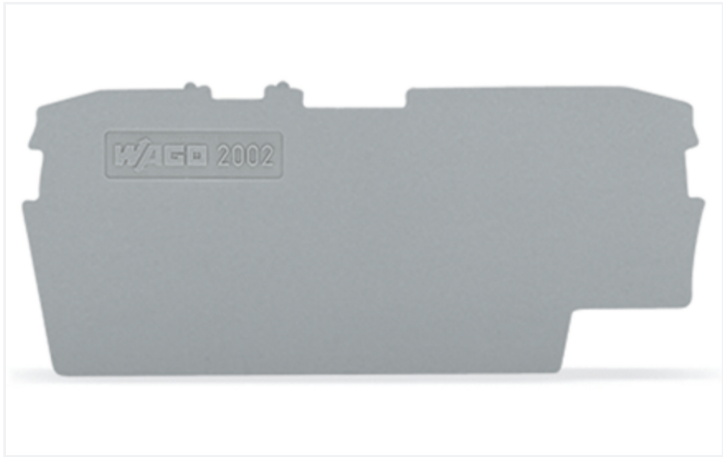




Color: ■ gray

Physical data		
Width		1 mm / 0.039 inches
Height		65.9 mm / 2.594 inches
Depth		29.3 mm / 1.114 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		0.049 MJ
Weight		1.8 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 Hz to f ₂ = 150 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 Hz to f ₂ = 150 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	4045454343224
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			Approvals for hazardous areas		
			PTB 0102 Ex ec IIC Gc 		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-	ATEX KIWA Netherlands B.V.	EN 60079	KIWA 17ATEX0030 U
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-	CCC CNEX	GB/T 3836.3	2020312313000180 (Ex ec IIC Gc)
Railway WAGO GmbH & Co. KG	-	Railway Ready	IECEx KIWA Netherlands B.V.	EN 60079	IECEx KIWA 17.0014U (Ex ec IIC Gc)



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 2002-1691			↓

Documentation			
Bid Text			
2002-1691	19.02.2019	xml 2.51 KB	↓
2002-1691	27.04.2017	doc 23.50 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 2002-1691		EPLAN Data Portal 2002-1691	↓
		WSCAD Universe 2002-1691	↓
		ZUKEN Portal 2002-1691	↓