



Color: ■ gray

Physical data	
Width	16.9 mm / 0.665 inches
Height	68.2 mm / 2.685 inches
Depth from upper-edge of DIN-rail	18 mm / 0.709 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.237 MJ
Weight	8.8 g

Environmental requirements			
Environmental Testing		Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Monitoring of contact faults and interruptions	Passed
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Voltage drop measurement before and after each axis	Passed
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes)	Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	10 min.	Test duration per axis	5 h
Test directions	X, Y and Z axes	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



Environmental Testing	
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		
PU (SPU)		50 (25) pcs
Packaging type		Box
Country of origin		DE
GTIN		4055143371902
Customs tariff number		39269097900

Product Classification		
UNSPSC		39121702
eCl@ss 10.0		27-14-11-92
eCl@ss 9.0		27-14-11-92
ETIM 9.0		EC002848
ETIM 10.0		EC002848
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



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 2009-180			↓

Documentation

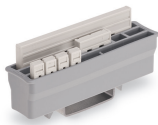
Bid Text			
2009-180	28.04.2017	doc 23.50 KB	↓
2009-180	19.02.2019	xml 2.55 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 2009-180	↓

CAE data	
EPLAN Data Portal 2009-180	↓
WSCAD Universe 2009-180	↓
ZUKEN Portal 2009-180	↓

Installation Notes



Collective carrier for TOPJOB® S Jumpers