

Data Sheet | Item Number: 2009-180

Collective carrier for jumpers; gray

<https://www.wago.com/2009-180>



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
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Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Fire load	0.263 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	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$	Acceleration	0.572g (highest test level used for all axes)
Acceleration	0.101g (highest test level used for all axes)	Test duration per axis	5 h
Test duration per axis	10 min.	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
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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



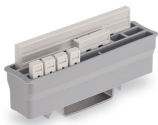
WSCAD Universe
2009-180



ZUKEN Portal
2009-180



Installation Notes



Collective carrier for TOPJOB® S Jumpers