



Color: ■ light gray

Electrical data

Ratings per IEC/EN	
Nominal voltage (III/3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated current	25 A

Physical data

Width	5.7 mm / 0.224 inches
Height	4.1 mm / 0.161 inches
Depth	18.5 mm / 0.726 inches
Jumper assignment	1-2

Material data

Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.005 MJ
Weight	0.7 g

Environmental requirements

Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard

Environmental Testing (Environmental Conditions)	
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h



Environmental Testing (Environmental Conditions)

Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-40
eCl@ss 9.0	27-14-11-40
ETIM 9.0	EC000489
ETIM 8.0	EC000489
PU (SPU)	25 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4055143686877
Customs tariff number	85366990990

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 2002-400

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Documentation

Additional Information

Technical Section

pdf

2246.92 KB

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Bid Text

2002-400

19.02.2019

xml

2.56 KB

↓

2002-400

27.04.2017

doc

23.50 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models

2002-400

↓

CAE data

EPLAN Data Portal

2002-400

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WSCAD Universe

2002-400

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ZUKEN Portal

2002-400

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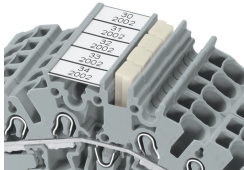
Installation Notes

Commoning



Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.

Commoning



Adjacent Jumpers for Continuous Commoning (Item No. 2002-400)

Subject to changes. Please also observe the further product documentation!