# Data Sheet | Item Number: 2002-1291

End and intermediate plate; 0.8 mm thick; gray

https://www.wago.com/2002-1291



Color: gray

## Physical data

| | |
|---|---|
| Width | 0.8 mm / 0.031 inches |
| Height | 48.3 mm / 1.902 inches |
| Depth | 28.9 mm / 1.138 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 | 0.032 MJ |
| Weight | 1.2 g |

## Environmental requirements

### Environmental Testing

| | |
|---|---|
| Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment | DIN EN 50155 (VDE 0115-200):2022-06 |
| Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04 |
| Spectrum/Mounting location | Service life test, Category 1, Class A/B |
| 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) |
| Test duration per axis | 10 min. |
| Test directions | X, Y and Z axes |

### Environmental Testing

| | |
|---|---|
| Monitoring of contact faults and interruptions | Passed |
| 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 |
| 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 |



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## 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

| | |
|---|---|
| Product Group | 22 (TOPJOB S) |
| PU (SPU) | 100 (25) pcs |
| Packaging type | Box |
| Country of origin | CN |
| GTIN | 4055143234085 |
| 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

| Approval | Standard | Certificate Name |
|---|---|---|
| Railway<br>WAGO GmbH & Co. KG | - | Railway Ready |

### Approvals for hazardous areas

| Approval | Standard | Certificate Name |
|---|---|---|
| CCC<br>CQST/CNEx | GB/T 3836.3 | 2020312313000238 (Ex eb IIC Gb, Ex eb I Mb) |
| IECEx<br>Physikalisch Technische Bundesanstalt | IEC 60079 | IECEx PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb) |


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## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 2002-1291

### Documentation

**Bid Text**

| | | |
|---|---|---|
| 2002-1291 | 19.02.2019 | xml 2.51 KB |
| 2002-1291 | 27.04.2017 | docx 13.55 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 2002-1291

**CAE data**

EPLAN Data Portal 2002-1291

WSCAD Universe 2002-1291

ZUKEN Portal 2002-1291


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