



Color: ■ gray

Physical data

| | |
|--------|-----------------------|
| Width | 1 mm / 0.039 inches |
| Height | 92.7 mm / 3.67 inches |
| Depth | 53 mm / 2.087 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 | 0.115 MJ |
| Weight | 4.2 g |

Environmental requirements

| Environmental Testing | |
|---|--|
| Test specification: Railway applications – Rolling stock – Electronic equipment | DIN EN 50155 (VDE 0115-200):2022-06 |
| Test procedure: Railway applications – Rolling stock equipment – 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 | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |

| Environmental Testing | |
|---|--|
| Acceleration | 0.101g (highest test level used for all axes) |
| Test duration per axis | 10 min. |
| Test directions | X, Y and Z axes |
| 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 | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |

| 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 | 4050821403890 |
| 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 |
|--|----------|------------------|
| ATEX-Attestation of Conformity WAGO GmbH & Co. KG | - | - |
| Railway WAGO GmbH & Co. KG | - | Railway Ready |

Approvals for hazardous areas



| Approval | Standard | Certificate Name |
|--------------------------------|-------------|------------------------------------|
| ATEX KIWA Netherlands B.V. | EN 60079 | KIWA 17ATEX0030 U |
| CCC CNEX | GB/T 3836.3 | 2020312313000180 (Ex ec IIC Gc) |
| IECEX KIWA Netherlands B.V. | EN 60079 | IECEX KIWA 17.0014U (Ex ec IIC Gc) |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 2002-2691



Documentation

Bid Text

| Item Number | Date | File Type | Size | Action |
|-------------|------------|-----------|----------|--------|
| 2002-2691 | 19.02.2019 | xml | 2.51 KB | |
| 2002-2691 | 27.04.2017 | doc | 23.50 KB | |

CAD/CAE-Data

CAD data

2D/3D Models
2002-2691



CAE data

EPLAN Data Portal
2002-2691



WSCAD Universe
2002-2691



ZUKEN Portal
2002-2691



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

Current addresses can be found at: www.wago.com