



Color: ■ red

Electrical data

| Ratings per IEC/EN      |       | Ex information          |      |
|-------------------------|-------|-------------------------|------|
| Nominal voltage (III/3) | 800 V | Rated current (Ex e II) | 20 A |
| Rated current           | 25 A  |                         |      |

Physical data

|                   |                       |
|-------------------|-----------------------|
| Width             | 8.6 mm / 0.339 inches |
| Height            | 4.1 mm / 0.161 inches |
| Depth             | 19 mm / 0.748 inches  |
| Jumper assignment | 1-2                   |

Material data

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Note (material data) | <a href="#">Information on material specifications can be found here</a> |
| Color                | red                                                                      |
| Fire load            | 0.007 MJ                                                                 |
| Weight               | 0.9 g                                                                    |

Environmental requirements

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



| Environmental Testing (Environmental Conditions)                         |                                                     |
|--------------------------------------------------------------------------|-----------------------------------------------------|
| Extended test scope: Monitoring for contact faults/interruptions         | Passed<br>Passed                                    |
| Extended test scope: Voltage drop measurement before and after each axis | Passed<br>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       |               |
|-----------------------|---------------|
| PU (SPU)              | 25 pcs        |
| Packaging type        | Bag           |
| Country of origin     | DE            |
| GTIN                  | 4055143687225 |
| Customs tariff number | 85366990990   |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121421             |
| eCl@ss 10.0            | 27-14-11-40          |
| eCl@ss 9.0             | 27-14-11-40          |
| ETIM 9.0               | EC000489             |
| ETIM 8.0               | EC000489             |
| 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    |



Downloads

Environmental Product Compliance

|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 2002-402/000-005 |  |  |

Documentation

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| Bid Text         |            |                 |  |
| 2002-402/000-005 | 19.02.2019 | xml<br>2.52 KB  |  |
| 2002-402/000-005 | 28.04.2017 | doc<br>24.00 KB |  |

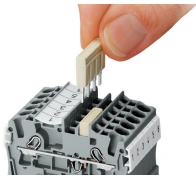
CAD/CAE-Data

|              |                  |
|--------------|------------------|
| CAD data     |                  |
| 2D/3D Models | 2002-402/000-005 |
|              |                  |

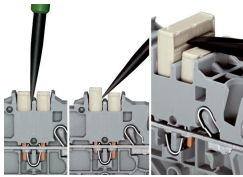
|                   |                  |
|-------------------|------------------|
| CAE data          |                  |
| EPLAN Data Portal | 2002-402/000-005 |
|                   |                  |
| WSCAD Universe    | 2002-402/000-005 |
|                   |                  |
| ZUKEN Portal      | 2002-402/000-005 |
|                   |                  |

Installation Notes

Commoning

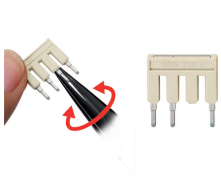


Insert push-in type jumper bar and push down until it hits backstop.



**Removing a push-in type jumper bar:**  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.  
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Commoning

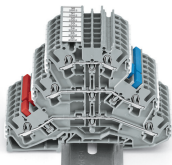


Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Marking with a felt-tip pen.

Commoning

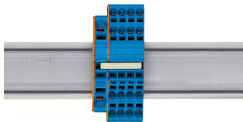


For example, colored push-in type jumper bars are used with sensor terminal blocks.

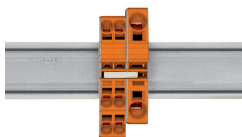
Commoning



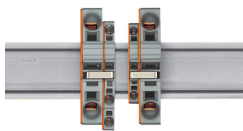
Stepping down via push-in type jumper bar.



**Stepping down via push-in type jumper bar:**  
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).



**Stepping down via push-in type jumper bar:**  
Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



**Note:**  
The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.