

# Data Sheet | Item Number: 2002-410

Jumper; 10-way; insulated; light gray

<https://www.wago.com/2002-410>



Color: ■ light gray

## 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             | 50.4 mm / 1.984 inches |
| Height            | 4.1 mm / 0.161 inches  |
| Depth             | 19 mm / 0.748 inches   |
| Jumper assignment | 1-2-3-4-5-6-7-8-9-10   |

## Material data

|                      |  |
|----------------------|--|
| Note (material data) | <a href="#">Information on material specifications can be found here</a> |
| Color                | light gray   |
| Fire load            | 0.035 MJ   |
| Weight               | 5 g  |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| eCl@ss 10.0           | 27-14-11-40   |
| eCl@ss 9.0            | 27-14-11-40   |
| ETIM 8.0              | EC000489      |
| ETIM 7.0              | EC000489      |
| PU (SPU)              | 25 pcs        |
| Packaging type        | Bag           |
| Country of origin     | DE            |
| GTIN                  | 4055143690386 |
| Customs tariff number | 85366990990   |

| 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 2002-410 | <a href="#">↓</a> |

### Documentation

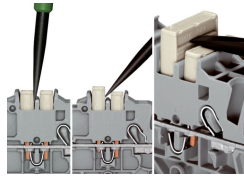
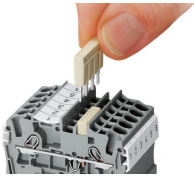
| Additional Information |                   | Bid Text          |          |            |                 |                   |
|------------------------|-------------------|-------------------|----------|------------|-----------------|-------------------|
| Technical Section      | pdf<br>2240.62 KB | <a href="#">↓</a> | 2002-410 | 19.02.2019 | xml<br>2.52 KB  | <a href="#">↓</a> |
|                        |                   |                   | 2002-410 | 27.04.2017 | doc<br>23.50 KB | <a href="#">↓</a> |

### CAD/CAE-Data

| CAD data                 |                   | CAE data                      |                   |
|--------------------------|-------------------|-------------------------------|-------------------|
| 2D/3D Models<br>2002-410 | <a href="#">↓</a> | EPLAN Data Portal<br>2002-410 | <a href="#">↓</a> |
|                          |                   | WSCAD Universe<br>2002-410    | <a href="#">↓</a> |
|                          |                   | ZUKEN Portal<br>2002-410      | <a href="#">↓</a> |

Installation Notes

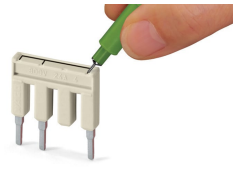
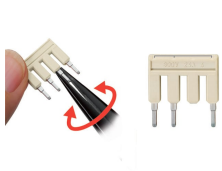
Commoning



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.

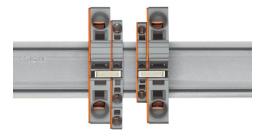
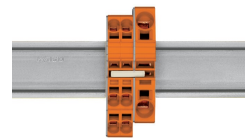
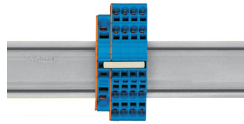
Commoning



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

Marking with a felt-tip pen.

Commoning



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 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) or from 6 mm<sup>2</sup> (10 AWG) to 2.5 mm<sup>2</sup> (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 mm<sup>2</sup> (6 AWG) and 10 mm<sup>2</sup> (8 AWG) and one cross-section size for 6/4/2.5 mm<sup>2</sup> (10/12/14 AWG). An example: from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) (see illustration above) or from 10 mm<sup>2</sup> (8 AWG) to 4 mm<sup>2</sup> (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.