

**Data sheet | Item number: 2002-409**

Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; light gray

[www.wago.com/2002-409](http://www.wago.com/2002-409)



**Data**

**Electrical data**

**Ratings per IEC/EN 60664-1**

Rated voltage (III / 3)	800 V
Rated current	25 A

**Approvals Ex**

Rated current (Ex e II)	20 A
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**Geometrical Data**

Width	45.2 mm / 1.78 inch
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Height	19 mm / 0.748 inch
Depth	4.1 mm / 0.161 inch

### Material Data

Color	light gray
Fire load	0.032 MJ
Weight	4.3 g

### Commercial data

Product Group	22 (TOPJOB S)
Packaging type	bag
Country of origin	DE
GTIN	4017332999410
Customs Tariff No.	85366990990

### Downloads

#### Documentation

##### Additional Information

Technical explanations	03-abr-2019	pdf 2.1 MB	Download
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### CAD/CAE-Data

#### CAD data

2D/3D Models 2002-409	URL	Download
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#### CAE data

EPLAN Data Portal 2002-409	Download
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WSCAD Universe 2002-409	Download
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### Installation Notes

Jumpered



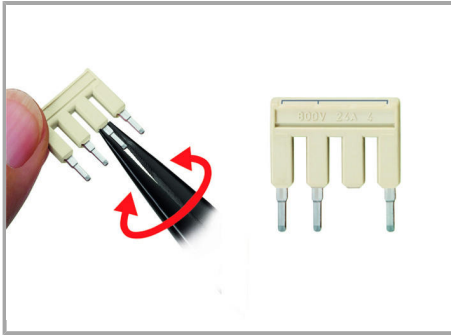
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

#### Removing a push-in type jumper bar.

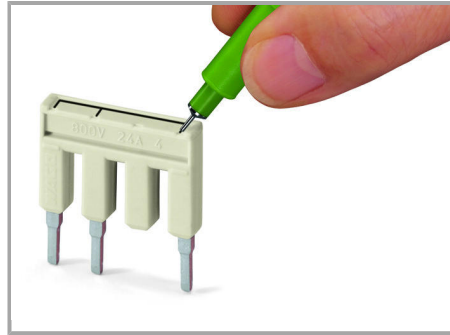
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

#### Jumpered



Custom push-in type jumper bars are created by breaking off jumper contacts.

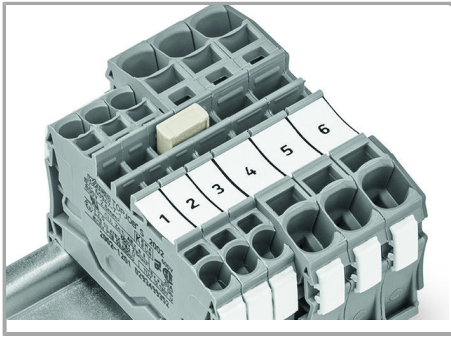


Marking a push-in type jumper bar using a felt-tip pen.

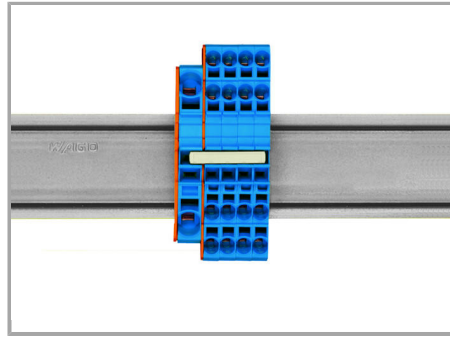
500 V

300 V

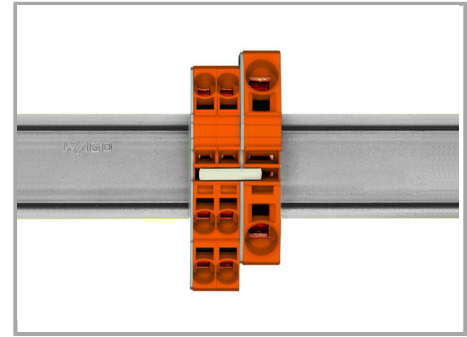
Jumpered



Stepping down via push-in type jumper bar.



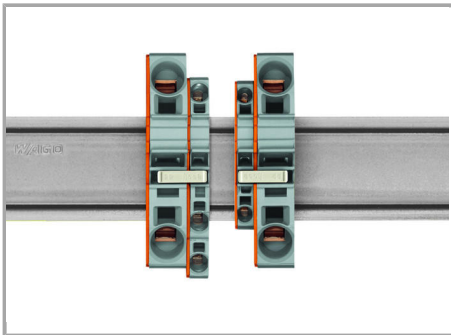
Stepping down via push-in type jumper bar.



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).

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 shall not exceed the nominal current of the step-down jumper/push-in type jumper bar.

**Product family**

**TOPJOB® S**

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

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Subject to changes.

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