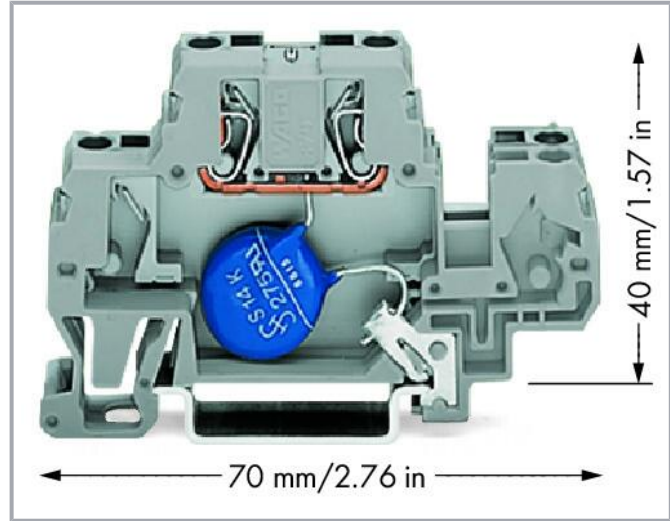
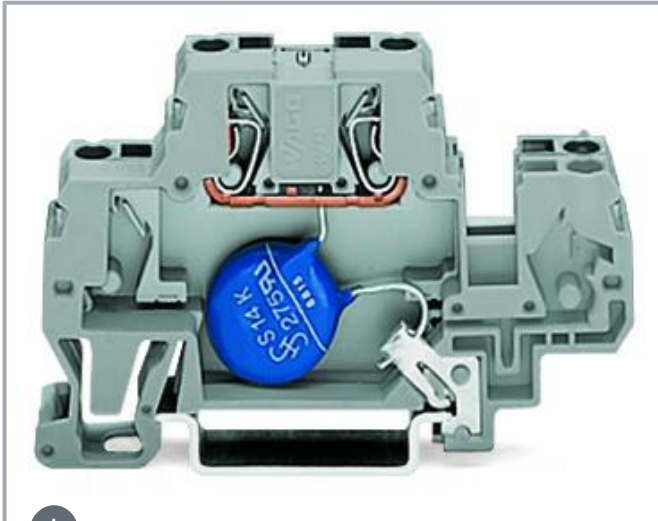


**Data sheet | Item number: 870-523/281-583**

Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

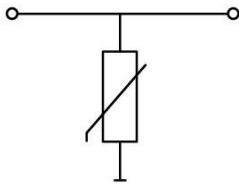


[www.wago.com/870-523/281-583](http://www.wago.com/870-523/281-583)



**i** Picture differs from the item.

Color: —



**Data**

**Electrical data**

|  |            |
|--|------------|
| Nominal operating voltage                  | DC 48 V    |
| Highest continuous voltage                 | DC 56 V    |
| Rated continuous current                   | 20 A       |
| Nominal discharge current (8/20 µs) (line) | 300 A      |
| Discharge current (max.)                   | 1 kA       |
| Protection level (8/20 µs)                 | ≤ DC 135 V |

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

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|             |          |
|-------------|----------|
| Capacitance | ≤ 2.8 nF |
|-------------|----------|

**Connection data**

|   |  |
|---|--|
| Connections (number)                            | 2  |
| Connection technology                           | CAGE CLAMP®                                  |
| Solid conductor                                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor                         | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG   |
| Fine-stranded conductor; with insulated ferrule | 0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                                    | 6 ... 7 mm / 0.24 ... 0.28 inches            |

**Physical data**

|                                    |                      |
|------------------------------------|----------------------|
| Width                              | 10 mm / 0.394 inches |
| Height from upper-edge of DIN-rail | 40 mm / 1.575 inches |
| Depth                              | 70 mm / 2.756 inches |

**Mechanical Data**

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

**Material Data**

|                             |                  |
|-----------------------------|------------------|
| Color                       | gray             |
| Insulation material         | Polyamide (PA66) |
| Material group              | I                |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.257 MJ         |
| Weight                      | 13 g             |

**Environmental requirements**

|                        |                |
|------------------------|----------------|
| Processing temperature | -35 ... +85 °C |
|------------------------|----------------|

**Commercial data**

|               |  |
|---------------|--|
| Product Group | 16 (Rail Mounted Terminal Blocks with CCC) |
| eCl@ss 10.0   | 27-14-11-27                                |
| eCl@ss 9.0    | 27-14-11-27                                |
| ETIM 8.0      | EC000903                                   |
| ETIM 7.0      | EC000903                                   |

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|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 25 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4050821524625 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Optional accessories




### Marking accessories

|  |  |
|--|--|
| Marker   |  |
|  | <p><b>Item no.: 2009-145</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p> <p><a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a></p> |
|  | <p><b>Item no.: 248-501</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p> <p><a href="http://www.wago.com/248-501">www.wago.com/248-501</a></p>                                    |



### Jumpers

|   |  |
|---|--|
| Jumper  |  |
|  | <p><b>Item no.: 280-492</b><br/>Jumper; 2-way; insulated; gray</p> <p><a href="http://www.wago.com/280-492">www.wago.com/280-492</a></p> |

### Insulation stop

|  |  |
|--|--|
| Insulation stop  |  |
|  | <p><b>Item no.: 280-472</b><br/>Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; black</p> <p><a href="http://www.wago.com/280-472">www.wago.com/280-472</a></p>                                    |
|  | <p><b>Item no.: 280-470</b><br/>Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white</p> <p><a href="http://www.wago.com/280-470">www.wago.com/280-470</a></p> |
|  | <p><b>Item no.: 280-471</b><br/>Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray</p> <p><a href="http://www.wago.com/280-471">www.wago.com/280-471</a></p>                             |

### End plate

|  |  |
|--|--|
| End plate  |  |
|  | <p><b>Item no.: 870-518</b><br/>End and intermediate plate; 2 mm thick; gray</p> <p><a href="http://www.wago.com/870-518">www.wago.com/870-518</a></p>   |
|  | <p><b>Item no.: 870-519</b><br/>End and intermediate plate; 2 mm thick; orange</p> <p><a href="http://www.wago.com/870-519">www.wago.com/870-519</a></p> |

### Tool

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

Operating tool



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)

**Downloads**

**Documentation**

**Bid Text**

|                                |             |               |          |
|--------------------------------|-------------|---------------|----------|
| 870-523/281-583<br>X81 - Datei | 2019 Feb 19 | xml<br>3.5 kB | Download |
|--------------------------------|-------------|---------------|----------|

|                                |             |                |          |
|--------------------------------|-------------|----------------|----------|
| 870-523/281-583<br>doc - Datei | 2015 Feb 11 | doc<br>26.6 kB | Download |
|--------------------------------|-------------|----------------|----------|

**Additional Information**

|   |                        |               |          |
|---|------------------------|---------------|----------|
| Disposal and Recycling<br>Electrical and electronic equipment, Batteries, Packaging | V 1.1.0<br>2022 Aug 18 | pdf<br>2.2 MB | Download |
|---|------------------------|---------------|----------|

**CAD/CAE-Data**

**CAD data**

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 870-523/281-583 | URL | Download |
|------------------------------|-----|----------|

**CAE data**

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 870-523/281-583 | URL | Download |
|-----------------------------------|-----|----------|

|                                |     |          |
|--------------------------------|-----|----------|
| WSCAD Universe 870-523/281-583 | URL | Download |
|--------------------------------|-----|----------|

|                              |     |          |
|------------------------------|-----|----------|
| ZUKEN Portal 870-523/281-583 | URL | Download |
|------------------------------|-----|----------|

|                                |     |          |
|--------------------------------|-----|----------|
| WSCAD Universe 870-523/281-583 | URL | Download |
|--------------------------------|-----|----------|

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 870-523/281-583 | URL | Download |
|-----------------------------------|-----|----------|

**Environmental Product Compliance**

**Compliance Search**

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**Data sheet | Item number: 870-523/281-583**

[www.wago.com/870-523/281-583](http://www.wago.com/870-523/281-583)



Environmental Product Compliance 870-523/281-583

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Component terminal block; double-deck; with varistor; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

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## Installation Notes

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