

**Bolt-type screw terminals  
WF 8**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image****Klippon® Connect with stud Technology**

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

**General ordering data**

|            |  |
|------------|--|
| Type       | WF 8   |
| Order No.  | <a href="#">1780860000</a>   |
| Version    | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 50 mm <sup>2</sup> , Threaded stud connection |
| GTIN (EAN) | 4032248219346  |
| Qty.       | 25 pc(s).  |

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Width      | 22.8 mm  | Width (inches)  | 0.898 inch |
| Height     | 67 mm    | Height (inches) | 2.638 inch |
| Depth      | 63.5 mm  | Depth (inches)  | 2.5 inch   |
| Net weight | 46.174 g |                 |            |

### Temperatures

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C        |                                  |        |

### Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

### System specifications

|                                   |                       |                                     |    |
|-----------------------------------|-----------------------|-------------------------------------|----|
| Version                           | Single-stud terminals | End cover plate required            | No |
| Number of levels                  | 1                     | Number of clamping points per level | 1  |
| Levels cross-connected internally | No                    | PE connection                       | No |
| Rail                              | TS 35                 |                                     |    |

### Additional technical data

|                          |      |                             |         |
|--------------------------|------|-----------------------------|---------|
| Explosion-tested version | No   | Number of similar terminals | 1       |
| Open sides               | Open | Type of mounting            | Snap-on |

### CSA rating data

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1244019 | Current size C (CSA)          | 200 A |
| Voltage size C (CSA)          | 1000 V         | Wire cross section max. (CSA) | 0 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |       |

### Conductors for clamping (rated connection)

|                           |                           |                                |                        |
|---------------------------|---------------------------|--------------------------------|------------------------|
| 2 x cable lugs DIN 46 234 | 2.5 to 50 mm <sup>2</sup> | 2 x cable lugs DIN 46 235      | 6...35 mm <sup>2</sup> |
| Cable lug to DIN 46234    | 2.5...50 mm <sup>2</sup>  | Cable lug to DIN 46235         | 6...35 mm <sup>2</sup> |
| Clamping range, max.      | 50 mm <sup>2</sup>        | Clamping range, min.           | 2.5 mm <sup>2</sup>    |
| Number of connections     | 1                         | Stud size for spade connection | M 8                    |
| Tightening torque, max.   | 12 Nm                     | Tightening torque, min.        | 6 Nm                   |
| Type of connection        | Threaded stud connection  |                                |                        |

### Rating data

|  |                    |  |         |
|--|--------------------|--|---------|
| Rated cross-section                              | 50 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Voltage with epoxy resin partition plate         | 2,300 V            | Rated current                                | 150 A   |
| Current at maximum wires                         | 150 A              | Volume resistance according to IEC 60947-7-x | 0.21 mΩ |
| Power loss in accordance with IEC 60947-7-x      | 4.8 W              | Rated impulse withstand voltage              | 8 kV    |
| Impulse voltage with epoxy resin partition plate | 12 kV              | Pollution severity                           | 3       |

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**Technical data**
**Stud connection**

|  |                           |                                |                        |
|--|---------------------------|--------------------------------|------------------------|
| 2 x cable lugs DIN 46 234                        | 2.5 to 50 mm <sup>2</sup> | 2 x cable lugs DIN 46 235      | 6...35 mm <sup>2</sup> |
| Cable lug to DIN 46234                           | 2.5...50 mm <sup>2</sup>  | Cable lug to DIN 46235         | 6...35 mm <sup>2</sup> |
| Impulse voltage with epoxy resin partition plate | 12 kV                     | Stud size for spade connection | M 8                    |
| Tightening torque, max.                          | 12 Nm                     | Tightening torque, min.        | 6 Nm                   |
| Voltage with epoxy resin partition plate         | 2,300 V                   |                                |                        |

**UL rating data**

|   |        |   |        |
|---|--------|---|--------|
| Certificate No. (UR)                    | E60693 | Certificate No. (cURus)                 | E60693 |
| Conductor size Factory wiring max. (UR) | 0 AWG  | Conductor size Factory wiring min. (UR) | 14 AWG |
| Current size B (UR)                     | 150 A  | Current size C (UR)                     | 150 A  |
| Voltage size B (UR)                     | 1000 V | Voltage size C (UR)                     | 1000 V |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0   | EC000897    |
| eClass 9.0  | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC     | 30-21-18-01 |

**Approvals**

Approvals



ROHS Conform

**Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">DE_PT1004_20160418_852_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>  |
| Engineering Data                            | <a href="#">STEP</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>   |

**Safety note**

 Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**



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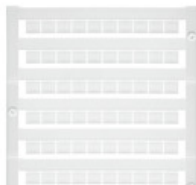
**Accessories**
**Cross-connections**

**Klippon® Connect with stud Technology**

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | WQL 2 WF8                  | Version  |
| Order No.  | <a href="#">1780990000</a> | Bolt-type screw terminals, Cross-connector, Number of poles: 2 |
| GTIN (EAN) | 4032248219414              |  |
| Qty.       | 5 pc(s).                   |  |
| Type       | WQL 3 WF8                  | Version  |
| Order No.  | <a href="#">1781000000</a> | Bolt-type screw terminals, Cross-connector, Number of poles: 3 |
| GTIN (EAN) | 4032248241200              |  |
| Qty.       | 5 pc(s).                   |  |

**Blank**


The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/6 MC NE WS           | Version   |
| Order No.  | <a href="#">1609820000</a> | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

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## Accessories

### Partition plates



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#### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | WTW WF8                    | Version   |
| Order No.  | <a href="#">1780900000</a> | Bolt-type screw terminals, Separation plate, dark beige, 3 mm   |
| GTIN (EAN) | 4032248219384              |   |
| Qty.       | 20 pc(s).                  |   |
| Type       | WTW WF8 2300               | Version   |
| Order No.  | <a href="#">1780910000</a> | Bolt-type screw terminals, Separation plate, grey, 2 mm         |
| GTIN (EAN) | 4032248241132              |   |
| Qty.       | 20 pc(s).                  |   |
| Type       | WTW WF6-WF12               | Version   |
| Order No.  | <a href="#">1781240000</a> | Bolt-type screw terminals, Separation plate, dark beige, 2.5 mm |
| GTIN (EAN) | 4032248241156              |   |
| Qty.       | 20 pc(s).                  |   |

### Shrouding covers



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#### General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | ADP WF6/WF8                | Version  |
| Order No.  | <a href="#">1780930000</a> | Bolt-type screw terminals, Cover profile, Transparent, 1000 mm |
| GTIN (EAN) | 4032248241248              |  |
| Qty.       | 1 m                        |  |
| Type       | HA ADP WF6/WF10            | Version  |
| Order No.  | <a href="#">1781050000</a> | Bolt-type screw terminals, Cover profile, dark beige, 2.2 mm   |
| GTIN (EAN) | 4032248241231              |  |
| Qty.       | 10 pc(s).                  |  |

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**Accessories**
**Blank**


WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

| Type       | WS 15/5 MC NE WS           | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1609880000</a> | WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203504              | Allen-Bradley, white   |
| Qty.       | 480 pc(s).                 |  |

**Potential distribution**

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**General ordering data**

| Type       | WZAF 70                    | Version                         |
|------------|----------------------------|---------------------------------|
| Order No.  | <a href="#">1066200000</a> | W-Series, Additional connection |
| GTIN (EAN) | 4008190169831              |                                 |
| Qty.       | 10 pc(s).                  |                                 |

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**Accessories****End brackets****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | WEW 35/2                   | Version               |
| Order No.  | <a href="#">1061200000</a> | W-Series, End bracket |
| GTIN (EAN) | 4008190030230              |                       |
| Qty.       | 100 pc(s).                 |                       |