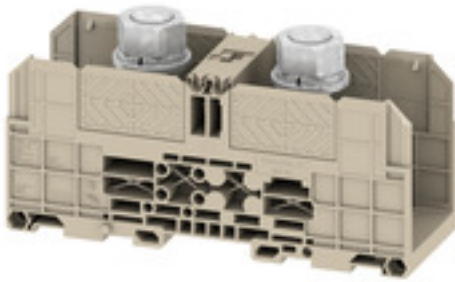


**Bolt-type screw terminals  
WFF 300**

**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       | WFF 300   |
| Order No.  | <a href="#">1028700000</a>  |
| Version    | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 300 mm <sup>2</sup> , Threaded stud connection |
| GTIN (EAN) | 4008190165017   |
| Qty.       | 4 pc(s).  |

Creation date April 22, 2020 12:58:22 PM CEST

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

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**Technical data****Dimensions and weights**

|                          |           |                 |            |
|--------------------------|-----------|-----------------|------------|
| Width                    | 55 mm     | Width (inches)  | 2.165 inch |
| Height                   | 163 mm    | Height (inches) | 6.417 inch |
| Depth                    | 85.5 mm   | Depth (inches)  | 3.366 inch |
| Depth including DIN rail | 94 mm     | Weight          | 552.15 g   |
| Net weight               | 540.205 g |                 |            |

**Temperatures**

|                                  |   |                                  |               |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | 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   |        |            |

**Rating data IECEx/ATEX**

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Certificate No. (ATEX)         | KEMA98ATEX1684U   | Certificate No. (IECEX)         | IECEXKEM07.0053U    |
| Max. voltage (ATEX)            | 1100 V  | Current (ATEX)                  | 452 A               |
| Wire cross section max. (ATEX) | 300 mm <sup>2</sup>   | Max. voltage (IECEX)            | 1100 V              |
| Current (IECEX)                | 452 A   | Wire cross section max. (IECEX) | 300 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              | Ex eb II C Gb       |
| Ex 2014/34/EU label            | II 2 G D  |                                 |                     |

**System specifications**

|                                     |    |                                   |       |
|-------------------------------------|----|-----------------------------------|-------|
| End cover plate required            | No | Number of levels                  | 1     |
| Number of clamping points per level | 2  | Levels cross-connected internally | No    |
| PE connection                       | No | Rail                              | TS 35 |

**Additional technical data**

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Explosion-tested version | Yes    | Number of similar terminals | 1       |
| Open sides               | closed | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |           |
|-------------------------------|----------------|-------------------------------|-----------|
| Certificate No. (CSA)         | 200039-1244019 | Current size C (CSA)          | 510 A     |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 600 kcmil |
| Wire cross section min. (CSA) | 6 AWG          |                               |           |

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**Technical data****Conductors for clamping (rated connection)**

|                           |                           |                                |                          |
|---------------------------|---------------------------|--------------------------------|--------------------------|
| 2 x cable lugs DIN 46 234 | 25 to 240 mm <sup>2</sup> | 2 x cable lugs DIN 46 235      | 50...240 mm <sup>2</sup> |
| Cable lug to DIN 46234    | 25...240 mm <sup>2</sup>  | Cable lug to DIN 46235         | 50...300 mm <sup>2</sup> |
| Clamping range, max.      | 300 mm <sup>2</sup>       | Clamping range, min.           | 25 mm <sup>2</sup>       |
| Number of connections     | 2                         | Stud size for spade connection | M 16                     |
| Tightening torque, max.   | 60 Nm                     | Tightening torque, min.        | 25 Nm                    |
| Type of connection        | Threaded stud connection  |                                |                          |

**Rating data**

|  |                     |   |         |
|--|---------------------|---|---------|
| Rated cross-section                          | 300 mm <sup>2</sup> | Rated voltage                               | 1,000   |
| Rated current                                | 520 A               | Current at maximum wires                    | 520 A   |
| Volume resistance according to IEC 60947-7-x | 0.06 mΩ             | Power loss in accordance with IEC 60947-7-x | 16.64 W |
| Rated impulse withstand voltage              | 8 kV                | Pollution severity                          | 3       |

**Stud connection**

|                                |                           |                           |                          |
|--------------------------------|---------------------------|---------------------------|--------------------------|
| 2 x cable lugs DIN 46 234      | 25 to 240 mm <sup>2</sup> | 2 x cable lugs DIN 46 235 | 50...240 mm <sup>2</sup> |
| Cable lug to DIN 46234         | 25...240 mm <sup>2</sup>  | Cable lug to DIN 46235    | 50...300 mm <sup>2</sup> |
| Stud size for spade connection | M 16                      | Tightening torque, max.   | 60 Nm                    |
| Tightening torque, min.        | 25 Nm                     |                           |                          |

**UL rating data**

|   |        |   |           |
|---|--------|---|-----------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 600 kcmil |
| Conductor size Factory wiring min. (UR) | 6 AWG  | Conductor size Field wiring max. (UR)   | 600 kcmil |
| Conductor size Field wiring min. (UR)   | 6 AWG  | Current size C (UR)                     | 500 A     |
| 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

**Data sheet****Bolt-type screw terminals  
WFF 300**

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**Technical data****Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">IECEX Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">DE_PT1004_20160418_869_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM. 16/17 EN</a>   |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| Engineering Data                            | <a href="#">STEP</a>   |
| User Documentation                          | <a href="#">Cross Connection Guide</a><br><a href="#">StorageConditionsTerminalBlocks</a>  |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|