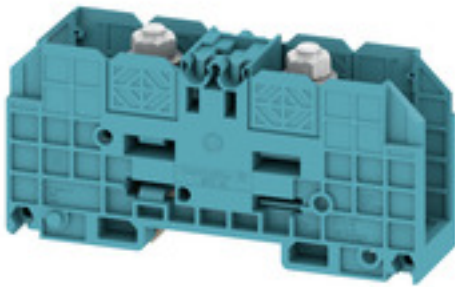


**WFF 35 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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**

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| Version    | Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 35 mm <sup>2</sup> , Threaded stud connection |
| Order No.  | <a href="#">1028380000</a>                                                                                           |
| Type       | WFF 35 BL                                                                                                            |
| GTIN (EAN) | 4008190143428                                                                                                        |
| Qty.       | 10 pc(s).                                                                                                            |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 51 mm      | Depth (inches) | 2.008 inch |
| Depth including DIN rail | 59.5 mm    | Height         | 107 mm     |
| Height (inches)          | 4.213 inch | Net weight     | 83.5 g     |
| Weight                   | 94.9 g     | Width          | 27 mm      |
| Width (inches)           | 1.063 inch |                |            |

## Temperatures

|                                  |                |                                  |                                                                                                   |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -25 °C...55 °C |                                  |                                                                                                   |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C                                                                                            |

## Material data

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Material                  | Wemid | Colour | blue |
| UL 94 flammability rating | V-0   |        |      |

## Rating data IECEx/ATEX

|                                 |                        |                                |                                                                                                   |
|---------------------------------|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)          | KEMA98ATEX1684U        | ATEX certificate               | KEMA98ATEX1684U_e.pdf                                                                             |
| ATEX certificate                | IECEXKEM07.0053U       | Certificate No. (IECEX)        | IECEXKEM07.0053U                                                                                  |
| IEC Ex certificate              | IECEXKEM07.0053U_e.pdf | Max. voltage (ATEX)            | 1100 V                                                                                            |
| Current (ATEX)                  | 109 A                  | Wire cross section max. (ATEX) | 35 mm <sup>2</sup>                                                                                |
| Max. voltage (IECEX)            | 1100 V                 | Current (IECEX)                | 109 A                                                                                             |
| Wire cross section max. (IECEX) |                        | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                 | 35 mm <sup>2</sup>     |                                |                                                                                                   |
| 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)          | 130 A |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 2 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |       |

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## Technical data

## Conductors for clamping (rated connection)

|                           |                           |                                |                        |
|---------------------------|---------------------------|--------------------------------|------------------------|
| 2 x cable lugs DIN 46 234 | 2.5 to 35 mm <sup>2</sup> | 2 x cable lugs DIN 46 235      | 6...25 mm <sup>2</sup> |
| Cable lug to DIN 46234    | 2.5...50 mm <sup>2</sup>  | Cable lug to DIN 46235         | 6...25 mm <sup>2</sup> |
| Clamping range, max.      | 50 mm <sup>2</sup>        | Clamping range, min.           | 2.5 mm <sup>2</sup>    |
| Number of connections     | 2                         | Stud size for spade connection | M 6                    |
| Tightening torque, max.   | 6 Nm                      | Tightening torque, min.        | 3 Nm                   |
| Type of connection        | Threaded stud connection  |                                |                        |

## General

|      |       |
|------|-------|
| Rail | TS 35 |
|------|-------|

## Rating data

|                                             |         |                                              |                    |
|---------------------------------------------|---------|----------------------------------------------|--------------------|
| Power loss in accordance with IEC 60947-7-x | 4 W     | Rated cross-section                          | 35 mm <sup>2</sup> |
| Rated voltage                               | 1,000 V | Rated current                                | 125 A              |
| Current at maximum wires                    | 150 A   | Volume resistance according to IEC 60947-7-x | 0.26 mΩ            |
| Rated impulse withstand voltage             | 8 kV    | Pollution severity                           | 3                  |

## UL rating data

|                                         |        |                                         |         |
|-----------------------------------------|--------|-----------------------------------------|---------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 2 AWG   |
| Conductor size Factory wiring min. (UR) | 14 AWG | Conductor size Field wiring max. (UR)   | 2 AWG   |
| Conductor size Field wiring min. (UR)   | 14 AWG | Current size C (UR)                     | 115 A   |
| UL_current_Print                        | 115 A  | UL_voltage_Print                        | 1,000 V |
| UL_wire_max_Print                       | 2 AWG  | UL_wire_min_Print                       | 14 AWG  |
| 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 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

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## Technical data

### Downloads

Approval/Certificate/Document of  
Conformity

[Attestation of Conformity](#)  
[IECEX Certificate](#)  
[ATEX Certificate](#)  
[CB Certificate](#)  
[EAC certificate](#)  
[DNVGL certificate](#)  
[MARITREG Certificate](#)  
[CCC Ex Certificate](#)  
[Declaration of Conformity](#)  
[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[Cross Connection Guide](#)  
[StorageConditionsTerminalBlocks](#)  
[WFF range for 1500 VDC applications](#)  
[DIRECT MOUNTING WFF TERMINAL BLOCKS](#)