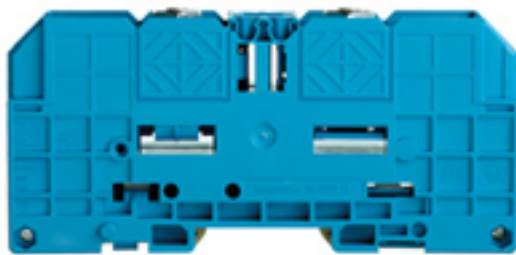


**W-series terminal with clamping yoke connection  
WFF 70 BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)



The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.

Connections from 10 mm<sup>2</sup> to 300 mm<sup>2</sup> are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.

Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section. A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.

All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

**General ordering data**

|            |                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | WFF 70 BL                                                                                                                                                   |
| Order No.  | <a href="#">1028480000</a>                                                                                                                                  |
| Version    | W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 70 mm <sup>2</sup> , Threaded stud connection, Direct mounting |
| GTIN (EAN) | 4008190073329                                                                                                                                               |
| Qty.       | 10 pc(s).                                                                                                                                                   |

## W-series terminal with clamping yoke connection WFF 70 BL

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Dimensions and weights

|        |          |                          |         |
|--------|----------|--------------------------|---------|
| Length | 132 mm   | Width                    | 31.8 mm |
| Height | 61 mm    | Height of lowest version | 69.5 mm |
| Weight | 170.26 g | Net weight               | 159.2 g |

### Temperatures

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

### Rated data IECEx/ATEX

|                                 |                                                                                                   |                                |                          |
|---------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------|--------------------------|
| Certificate No. (ATEX)          | KEMA98ATEX1684U                                                                                   | ATEX certificate               | IECEXKEM07.0053U         |
| ATEX certificate                | KEMA98ATEX1684U_e.pdf                                                                             | Certificate No. (IECEX)        | IECEXKEM07.0053U         |
| IEC Ex certificate              | IECEXKEM07.0053U_e.pdf                                                                            | Max. voltage (ATEX)            | 1100 V                   |
| Current (ATEX)                  | 167 A                                                                                             | Wire cross section max. (ATEX) | 70 mm <sup>2</sup>       |
| Max. voltage (IECEX)            | 1100 V                                                                                            | Current (IECEX)                | 167 A                    |
| Wire cross section max. (IECEX) | 70 mm <sup>2</sup>                                                                                | Voltage, cross-connection      | CrossConnectionGuide.pdf |
| Operating temperature range     | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7             |                          |
| Marking ATEX Directive 94/9/EC  | II 2 G D                                                                                          |                                | Ex e II                  |

### Additional technical data

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

### CSA ratings data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1244019 | Voltage size C (CSA)          | 600 V  |
| Current size C (CSA)          | 170 A          | Wire cross section max. (CSA) | 00 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |        |

### Clampable wires (rated connection)

|                                                      |                          |                                                      |                     |
|------------------------------------------------------|--------------------------|------------------------------------------------------|---------------------|
| Type of connection                                   | Threaded stud connection | Clamping range, rated connection, min.               | 2.5 mm <sup>2</sup> |
| Clamping range, rated connection, max.               | 95 mm <sup>2</sup>       | Tightening torque, min.                              | 6 Nm                |
| Tightening torque, max.                              | 12 Nm                    | Wire connection cross section, finely stranded, max. | 95 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded, min. | 2.5 mm <sup>2</sup>      |                                                      |                     |

### Rated data

|                                 |                    |                    |         |
|---------------------------------|--------------------|--------------------|---------|
| Rated cross-section             | 70 mm <sup>2</sup> | Rated voltage      | 1,000 V |
| Rated impulse withstand voltage | 8 kV               | Rated current      | 192 A   |
| Current at maximum wires        | 232 A              | Pollution severity | 3       |

## W-series terminal with clamping yoke connection WFF 70 BL

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Stud connection

|                                          |                         |                                          |                          |
|------------------------------------------|-------------------------|------------------------------------------|--------------------------|
| Tightening torque, min.                  | 6 Nm                    | Tightening torque, max.                  | 12 Nm                    |
| Stud size for spade connection           | M 8                     | Cable lug to DIN 46234                   | 2.5...95 mm <sup>2</sup> |
| Cable lug to DIN 46235                   | 16...70 mm <sup>2</sup> | Clamping range, bolted connection , min. | 2.5 mm <sup>2</sup>      |
| Clamping range, bolted connection , max. | 95 mm <sup>2</sup>      |                                          |                          |

### UL ratings data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 1000 V |
| Current size C (UR)                     | 175 A  | Conductor size Factory wiring max. (UR) | 00 AWG |
| Conductor size Factory wiring min. (UR) | 14 AWG | Conductor size Field wiring max. (UR)   | 00 AWG |

### Material data

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

### System specifications

|                                   |                                                 |                                  |                          |
|-----------------------------------|-------------------------------------------------|----------------------------------|--------------------------|
| Product family                    | W-series terminal with clamping yoke connection | Type of connection               | Threaded stud connection |
| Number of levels                  | 1                                               | No. of clamping points per level | 2                        |
| Levels cross-connected internally | No                                              | End cover plate required         | No                       |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC002020    | UNSPSC     | 30-21-18-01 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |

### Product information

|                                 |                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | 1000 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions. |
| Descriptive text technical data | When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm <sup>2</sup> , the rated voltage is reduced to 800 V.                 |
| Descriptive text accessories    | WAH 70 in blue, Order no. 1064580000                                                                                                              |

### Approvals

Approvals



ROHS

Conform