

**WF 12****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: 120 mm <sup>2</sup> , Threaded stud connection |
| Order No.  | <a href="#">1780880000</a>                                                                                            |
| Type       | WF 12                                                                                                                 |
| GTIN (EAN) | 4032248219360                                                                                                         |
| Qty.       | 20 pc(s).                                                                                                             |

## WF 12

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 70.5 mm    | Depth (inches)  | 2.776 inch |
| Height         | 67 mm      | Height (inches) | 2.638 inch |
| Net weight     | 102.6 g    | Width           | 33.8 mm    |
| Width (inches) | 1.331 inch |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °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)          | 320 A     |
| Voltage size C (CSA)          | 1000 V         | Wire cross section max. (CSA) | 250 kcmil |
| Wire cross section min. (CSA) | 10 AWG         |                               |           |

## Conductors for clamping (rated connection)

|                           |                          |                                |                         |
|---------------------------|--------------------------|--------------------------------|-------------------------|
| 2 x cable lugs DIN 46 234 | 6 to 120 mm <sup>2</sup> | 2 x cable lugs DIN 46 235      | 10...95 mm <sup>2</sup> |
| Cable lug to DIN 46234    | 6...120 mm <sup>2</sup>  | Cable lug to DIN 46235         | 10...95 mm <sup>2</sup> |
| Clamping range, max.      | 120 mm <sup>2</sup>      | Clamping range, min.           | 6 mm <sup>2</sup>       |
| Number of connections     | 1                        | Stud size for spade connection | M 12                    |
| Tightening torque, max.   | 31 Nm                    | Tightening torque, min.        | 14 Nm                   |
| Type of connection        | Threaded stud connection |                                |                         |

## General

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

## WF 12

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Rating data

|                                                  |         |                                          |                     |
|--------------------------------------------------|---------|------------------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x      | 8.61 W  | Rated cross-section                      | 120 mm <sup>2</sup> |
| Rated voltage                                    | 1,000 V | Voltage with epoxy resin partition plate | 2,300 V             |
| Rated current                                    | 269 A   | Current at maximum wires                 | 269 A               |
| Volume resistance according to IEC 60947-7-x     | 0.12 mΩ | Rated impulse withstand voltage          | 8 kV                |
| Impulse voltage with epoxy resin partition plate | 12 kV   | Pollution severity                       | 3                   |

## UL rating data

|                                         |           |                                         |           |
|-----------------------------------------|-----------|-----------------------------------------|-----------|
| Certificate No. (UR)                    | E60693    | Conductor size Factory wiring max. (UR) | 250 kcmil |
| Conductor size Factory wiring min. (UR) | 10 AWG    | Conductor size Field wiring max. (UR)   | 250 kcmil |
| Conductor size Field wiring min. (UR)   | 10 AWG    | Current size C (UR)                     | 255 A     |
| UL_current_Print                        | 255 A     | UL_voltage_Print                        | 1,000 V   |
| UL_wire_max_Print                       | 250 kcmil | UL_wire_min_Print                       | 10 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  |

## Downloads

|                                             |                                                                                                                                                                                                    |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                       |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                    |

### WF 12

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Drawings

