

## Bolt-type screw terminals WF 12

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



### 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 12
Order No.	<a href="#">1780880000</a>
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm <sup>2</sup> , Threaded stud connection
GTIN (EAN)	4032248219360
Qty.	20 pc(s).

## Bolt-type screw terminals WF 12

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

## Technical data

### Dimensions and weights

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

### Temperatures

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	Tightening torque (clamping screw for copper conductors)	14...31 Nm
End cover plate required	No	Number of levels	1
No. of clamping points per level	1	Levels cross-connected internally	No
PE connection	No	Mounting 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...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, rated connection, max.	120 mm <sup>2</sup>	Clamping range, rated connection, 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		

### Rating data

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		

**Bolt-type screw terminals  
WF 12**

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

**Technical data**
**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
Voltage size C (UR)	1000 V		

**Classifications**

ETIM 3.0	EC002020	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	eClass 8.1	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

**Product information**

Descriptive text ordering data	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 accessories	With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1004_20160418_842_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>

**Safety note**

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

**Data sheet**

**Bolt-type screw terminals  
WF 12**

**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)

**Drawings**

