

## WF 12

Weidmüller Interface GmbH &amp; Co. KG

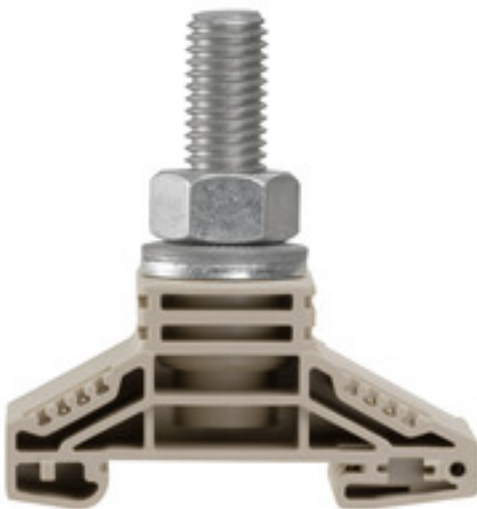
Klingenbergstraße 26

D-32758 Detmold

Germany

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).

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Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

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

## 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
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## Technical data

## Rating data

Rated cross-section	120 mm <sup>2</sup>	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	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	Power loss in accordance with IEC 60947-7-x	8.61 W
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
Voltage size C (UR)	1000 V		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

**WF 12**

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**Drawings**



**WF 12**

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**Accessories**

**Standard**



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

**General ordering data**

Type	WQL 3 WF12	Version
Order No.	<a href="#">1781040000</a>	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4032248241224	
Qty.	5 pc(s).	
Type	WQL 2 WF12	Version
Order No.	<a href="#">1781030000</a>	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4032248219438	
Qty.	5 pc(s).	

**W-Series**



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

**DEK 5/6**



**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	DEK 5/6 MM WS	Version	
Order No.	<a href="#">2007120000</a>		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

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## Accessories

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	<a href="#">1609820000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	

## WF / WFF-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

## General ordering data

Type	WTW WF 10/WF12 2300	Version
Order No.	<a href="#">1780920000</a>	Bolt-type screw terminals, Partition plate, grey, 2 mm
GTIN (EAN)	4032248241149	
Qty.	20 pc(s).	
Type	WTW WF 10/WF12	Version
Order No.	<a href="#">1780890000</a>	Bolt-type screw terminals, Partition plate, dark beige, 3 mm
GTIN (EAN)	4032248219391	
Qty.	20 pc(s).	
Type	WTW WF6-WF12	Version
Order No.	<a href="#">1781240000</a>	Bolt-type screw terminals, Partition plate, dark beige, 2.5 mm
GTIN (EAN)	4032248241156	
Qty.	20 pc(s).	

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**Accessories**

**Cover profiles**



Cover profiles provide protection against external impact on functional areas of the terminal blocks or in combination with our support brackets for the entire terminal strip. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

**General ordering data**

Type	HA ADP WF6/WF10	Version
Order No.	<a href="#">1781050000</a>	Bolt-type screw terminals, Cover profile, dark beige, 2.2 mm
GTIN (EAN)	4032248241231	
Qty.	10 pc(s).	
Type	ADP WF10/WF12	Version
Order No.	<a href="#">1780940000</a>	Bolt-type screw terminals, Cover profile, Transparent, 1000 mm
GTIN (EAN)	4032248241255	
Qty.	1 m	

**WF/WFF-Series**



The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

**General ordering data**

Type	WZAF 185	Version
Order No.	<a href="#">1066400000</a>	W-Series, Additional connection
GTIN (EAN)	4008190031985	
Qty.	10 pc(s).	



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**Accessories**

**Step-down bridges**



Reducing cross-connectors enable simple and fast connection of terminal blocks with different rated cross-sections.

**General ordering data**

Type	SMSE WF10/2XM6	Version
Order No.	<a href="#">1868880000</a>	Bolt-type screw terminals, Busbar, Number of poles:
GTIN (EAN)	4032248499755	
Qty.	10 pc(s).	

**Blank**



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	WS 15/5 MC NE WS	Version
Order No.	<a href="#">1609880000</a>	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 pc(s).	

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