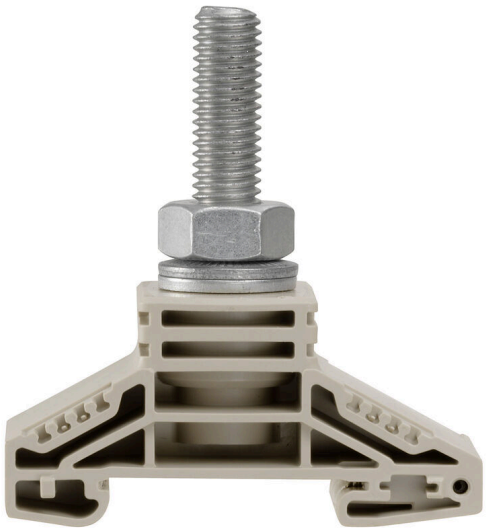
Data sheet

WF 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm², Threaded stud connection
Order No.	1780870000
Type	WF 10
GTIN (EAN)	4032248219353
Qty.	20 items

Downloaded from Arrow.com.

Data sheet

WF 10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	72.5 mm	Depth (inches)	2.8543 inch
Height	67 mm	Height (inches)	2.6378 inch
Width	33.8 mm	Width (inches)	1.3307 inch
Net weight	85.3 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Single-stud terminals	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

Additional technical data

Open sides	Open	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	250 kcmil	Voltage size C (CSA)	1000 V
Current size C (CSA)	320 A	Certificate No. (CSA)	200039-1244019
Wire cross section min. (CSA)	10 AWG		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	6...120 mm²	Cable lug to DIN 46235	10...95 mm²
Wire connection cross section AWG, max.	kcmil 250	Connection direction	on side
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Type of connection	Threaded stud connection	Number of connections	1

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Clamping range, max.	120 mm²	Clamping range, min.	6 mm²
Wire connection cross section AWG, min.	AWG 12	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	6 mm²	Wire connection cross section, finely stranded, max.	120 mm²
Wire connection cross section, finely stranded, min.	6 mm²	Connection cross-section, stranded, max.	120 mm²
Connection cross-section, stranded, min.	6 mm²	Stud size for spade connection	M 10
Wire connection cross-section, solid core, max.	120 mm²	Wire connection cross-section, solid core, min.	6 mm²
Connection cross-section, finely stranded, min.	6 mm²	2 x cable lugs DIN 46 235	10...95 mm²
2 x cable lugs DIN 46 234	6 to 120 mm²		

General

Wire connection cross section AWG, max.	kcmil 250	Wire connection cross section AWG, min.	AWG 12
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	120 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Voltage with epoxy resin partition plate	2300 V
Nominal current	269 A	Current at maximum wires	269 A
Standards	IEC 60947-7-1	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

Conductor size Factory wiring max. (UR)	250 kcmil	Current size C (UR)	255 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	10 AWG
Certificate No. (UR)	E60693		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQL 2 WF10	Version
Order No.	1781010000	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4032248219421	
Qty.	5 ST	
Type	WQL 3 WF10	Version
Order No.	1781020000	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4032248241217	
Qty.	5 ST	
Type	WQL 4 WF10	Version
Order No.	1027840000	Bolt-type screw terminals, Cross-connector, Number of poles: 4
GTIN (EAN)	4032248779956	
Qty.	5 ST	

Additional connection



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 120	Version
Order No.	1066300000	Auxiliary connection (terminal)
GTIN (EAN)	4008190024642	
Qty.	10 ST	

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

End plates and partition plates

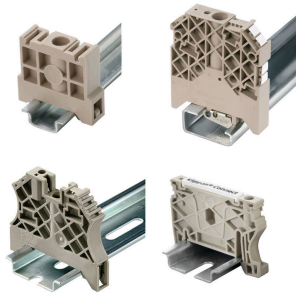


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WTW WF10/WF12	Version
Order No.	1780890000	Bolt-type screw terminals, Partition plate, dark beige, 3 mm
GTIN (EAN)	4032248219391	
Qty.	20 ST	
Type	WTW WF10/WF12 2300	Version
Order No.	1780920000	Bolt-type screw terminals, Partition plate, grey, 2 mm
GTIN (EAN)	4032248241149	
Qty.	20 ST	

End bracket



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.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

Protection against contact



Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

General ordering data

Type	ADP WF10/WF12	Version
Order No.	1780940000	Bolt-type screw terminals, Cover profile, Transparent, 1000 mm
GTIN (EAN)	4032248241255	
Qty.	100 M	

Type	HA ADP WF6/WF10	Version
Order No.	1781050000	Bolt-type screw terminals, Cover profile, dark beige, 2.2 mm
GTIN (EAN)	4032248241231	
Qty.	10 ST	

Cross-connections

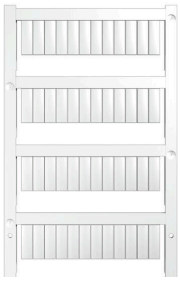


The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	SMSE WF10/2XM6	Version
Order No.	1868880000	Bolt-type screw terminals, Busbar, Number of poles:
GTIN (EAN)	4032248499755	
Qty.	10 ST	

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.	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 ST	

Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1000 ST	

Downloaded from Arrow.com.

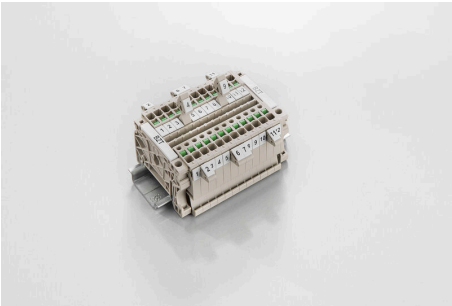
Weidmüller

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQL 5 WF10	Version
Order No.	1016870000	Bolt-type screw terminals, Cross-connector, Number of poles: 5
GTIN (EAN)	4032248726530	
Qty.	5 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

General ordering data

Type	WTW WF6-WF12	Version
Order No.	1781240000	Bolt-type screw terminals, Partition plate, dark beige, 2.5 mm
GTIN (EAN)	4032248241156	
Qty.	20 ST	

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.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 ST	

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQL 2 WF6-10	Version
Order No.	1806620000	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4032248294732	
Qty.	5 ST	

Downloaded from Arrow.com.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Type	WQL 3 WF6-10/2	Version
Order No.	1806640000	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4032248294695	
Qty.	5 ST	

120 mm²



The use of insulated connectors guarantees users consistent electrical connection quality in the long term.

- Wide range of insulated and non-insulated cable lugs and connectors
- Tubular cable lugs according to current market standards (Euroseries)
- Compression cable lugs acc. to DIN 46235
- Sheet metal cable lugs acc. to DIN 46234
- Insulated ring cable lugs to DIN 46237
- Insulated pin cable lugs to DIN 46231

General ordering data

Type	KP-M10/-120	Version
Order No.	1498240000	cable lug, terminal end, 120 mm²
GTIN (EAN)	4050118307368	
Qty.	50 ST	
Type	KQN-M10/-120	Version
Order No.	1493330000	cable lug, terminal end, 120 mm²
GTIN (EAN)	4050118303070	
Qty.	25 ST	
Type	KRN-M10/-120	Version
Order No.	1495650000	cable lug, terminal end, 120 mm², 120 mm² - 120 mm²
GTIN (EAN)	4050118305289	
Qty.	25 ST	
Type	KRN-M10/-120 S	Version
Order No.	1494920000	cable lug, terminal end, 120 mm², 120 mm² - 120 mm²
GTIN (EAN)	4050118304626	
Qty.	10 ST	

Downloaded from Arrow.com.