

**WDK 2.5 FF****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

**General ordering data**

Version	Multi-tier modular terminal, Flat-blade connection, dark beige, 1 mm <sup>2</sup> , 400 V, 400 V, Number of connections: 8, Number of levels: 2, TS 35, V-0, Wemid
Order No.	<a href="#">1021700000</a>
Type	WDK 2.5 FF
GTIN (EAN)	4008190109547
Qty.	50 pc(s).

Creation date October 5, 2024 4:33:26 AM CEST

Catalogue status 28.09.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	75.5 mm
Height (inches)	2.972 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	10.68 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	With cable lug connection F2.8, Both sides, plug-gable, One end without connector	End cover plate required	Yes
Number of potentials	2	Number of levels	2
Number of clamping points per level	0	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

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

## CSA rating data

Certificate No. (CSA)	12400-135	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

## Conductors for clamping (additional connection)

Connection type, additional connection Flat-blade connection

## Conductors for clamping (rated connection)

Clamping range, max.	1 mm <sup>2</sup>	Connection direction	top
Number of connections	8	Type of connection	Flat-blade connection
Type of connection 2	Flat-blade connection	Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	4 mm <sup>2</sup>		

## General

Rail	TS 35	Standards	IEC 61210, In accordance with IEC 60947-7-1
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## Technical data

### Other connections

Cable-lug connection Not slit

### Rating data

Rated cross-section	1 mm <sup>2</sup>	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	12 A
Current at maximum wires	12 A	Standards	IEC 61210, In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	2.37 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.43 W	Pollution severity	3

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-02
ECLASS 14.0	27-25-01-02		

### Environmental Product Compliance

REACH SVHC /  
RoHS Compliance Status Compliant without exemption

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Lloyds Register Certificate</a> <a href="#">NEMKO Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

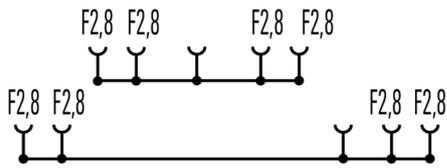
**Data sheet**

**WDK 2.5 FF**

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**Drawings**



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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 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

### 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 snapped together and could be mounted in all standard marking channels of the Klippon<sup>®</sup> 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.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

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## Accessories

### Support brackets



Support brackets can be arranged at the end or in the course of a terminal strip. They can be clipped on TS 32 or TS 35 mounting rails and serve as supports for the respective cover profiles.

### General ordering data

Type	HP 3 ADP3	Version
Order No.	<a href="#">0485760000</a>	End and partition plate for terminals, beige, Height: 82 mm, Width: 3
GTIN (EAN)	4008190030254	mm, V-2, PA 66
Qty.	20 pc(s).	

### 2.5 mm<sup>2</sup>



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

### General ordering data

Type	WAP WDK2.5 GN	Version
Order No.	<a href="#">1059140000</a>	End plate (terminals), green, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190901790	Wemid
Qty.	20 pc(s).	
Type	WAP WDK2.5 BL	Version
Order No.	<a href="#">1059180000</a>	End plate (terminals), blue, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190081089	Wemid
Qty.	20 pc(s).	
Type	WAP WDK2.5	Version
Order No.	<a href="#">1059100000</a>	End plate (terminals), dark beige, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190101954	Wemid
Qty.	20 pc(s).	

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**Accessories**

**ZGB pivotable group tag holder**



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

**General ordering data**

Type	ZGB 30	Version
Order No.	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30/3.5	Version
Order No.	<a href="#">1778290000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161065	white
Qty.	20 pc(s).	
Type	ZGB 15	Version
Order No.	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	

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## Accessories

## WS 8/5

**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	WS 8/5 MM WS	Version
Order No.	<a href="#">2007150000</a>	WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029	
Qty.	800 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 8/5 MC NE WS	Version
Order No.	<a href="#">1640740000</a>	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 pc(s).	

**Data sheet**

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**Accessories**

**Cutting and notching tools for cross-connections**



- for Weidmüller Z-Series cross-connections
- for cross-connections from WQV 2.5 to WQV 35
- for cross-connection window of the terminal WSI 6

**General ordering data**

Type	WAW 1 NEUTRAL	Version
Order No.	<a href="#">9004500000</a>	Miscellaneous tools
GTIN (EAN)	4008190053925	
Qty.	1 pc(s).	

**WQB**

**General ordering data**

Type	WQB A/24	Version
Order No.	<a href="#">1579000000</a>	Cross-connector (terminal), when screwed in, black, 24 A, Number of poles: 24, Pitch in mm (P): 5.10, Insulated: Yes, Width: 123.22 mm
GTIN (EAN)	4008190134211	
Qty.	20 pc(s).	

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## Accessories

### Shielding connection

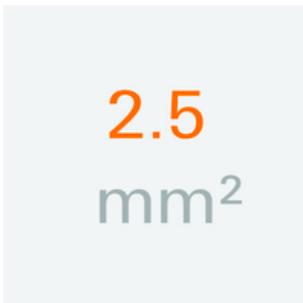


With the LS 2.8 WDU2.5-10, many feed-through modular terminal blocks from the W series can be converted very easily. Inserting the LS 2.8 WDU2.5-10 allows the cable shielding braid to be looped through directly at the terminal block by soldering or using a suitable flat cable lug.

### General ordering data

Type	LS 2.8 WDU2.5-10	Version
Order No.	<a href="#">1056400000</a>	W-Series, Shield bus
GTIN (EAN)	4008190036454	
Qty.	100 pc(s).	

### 2.5 mm<sup>2</sup>



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	WQV 2.5/5	Version
Order No.	<a href="#">1053960000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190158446	
Qty.	10 pc(s).	
Type	WQV 2.5/8	Version
Order No.	<a href="#">1054260000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190073572	
Qty.	10 pc(s).	
Type	WQV 2.5/2	Version
Order No.	<a href="#">1053660000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190031121	
Qty.	50 pc(s).	
Type	WQV 2.5/3	Version
Order No.	<a href="#">1053760000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190058999	
Qty.	50 pc(s).	
Type	WQV 2.5/15	Version
Order No.	<a href="#">1059660000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190002411	
Qty.	10 pc(s).	

## WDK 2.5 FF

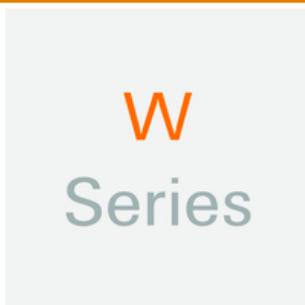
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## Accessories

Type	WQV 2.5/30	Version
Order No.	<a href="#">1067500000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190031107	
Qty.	10 pc(s).	
Type	WQV 2.5/32	Version
Order No.	<a href="#">1577600000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190154035	
Qty.	10 pc(s).	
Type	WQV 2.5/6	Version
Order No.	<a href="#">1054060000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190102272	
Qty.	10 pc(s).	
Type	WQV 2.5/4	Version
Order No.	<a href="#">1053860000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190049706	
Qty.	50 pc(s).	
Type	WQV 2.5/10	Version
Order No.	<a href="#">1054460000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190135089	
Qty.	20 pc(s).	
Type	WQV 2.5/7	Version
Order No.	<a href="#">1054160000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190011246	
Qty.	10 pc(s).	
Type	WQV 2.5/20	Version
Order No.	<a href="#">1577570000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
GTIN (EAN)	4008190125868	
Qty.	10 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>	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

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**Accessories**

**Insulation sleeves**

With insulating sleeve for cable lug, an increase of the rated voltage within the application is possible.



**General ordering data**

Type	IH 2.8 DB	Version
Order No.	<a href="#">0386060000</a>	W-Series, Insulating sleeve
GTIN (EAN)	4008190043414	
Qty.	100 pc(s).	

**With lightning flash**



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers.

**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	WAD 5 MC B GE/SW	Version
Order No.	<a href="#">1120450000</a>	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,
GTIN (EAN)	4032248901272	WEW 35/2, ZEW 35/2, yellow
Qty.	48 pc(s).	