

**WDK 2.5/D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

**General ordering data**

Version	Component terminal block, Screw connection, 2.5 mm <sup>2</sup> , 400 V, 10 A, TS 35, dark beige
Order No.	<a href="#">1023200000</a>
Type	WDK 2.5/D
GTIN (EAN)	4008 190009380
Qty.	100 pc(s).

## WDK 2.5/D

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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	69.5 mm
Height (inches)	2.736 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	11.9 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	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	2	Number of levels	2
Number of clamping points per level	2	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

### 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>

### Additional technical data

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

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## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section AWG, max.	AWG 26
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

## General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 26	Wire connection cross section AWG, min.	AWG 26

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	10 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

## Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ETIM 9.0	EC000903
ECLASS 9.0	27-14-11-27	ECLASS 9.1	27-14-11-47
ECLASS 10.0	27-14-11-27	ECLASS 11.0	27-14-11-27
ECLASS 12.0	27-14-11-27	ECLASS 13.0	27-25-01-14

## Important note

Product information	The allowed continuous operating temperature must be observed
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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<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>
Engineering Data	<a href="#">Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

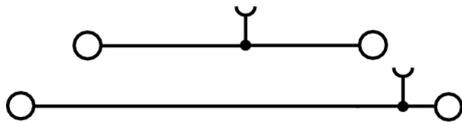
**Data sheet**

**WDK 2.5/D**

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**Drawings**



## WDK 2.5/D

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# 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 snapped 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 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

## 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).	

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**Accessories**

**W-Series**



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

**General ordering data**

Type	WTA 4N/ZA WDK 2.5	Version
Order No.	<a href="#">1879350000</a>	Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A
GTIN (EAN)	4032248503261	
Qty.	25 pc(s).	
Type	WTA 4N WDK 2.5	Version
Order No.	<a href="#">1878660000</a>	Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A
GTIN (EAN)	4032248503285	
Qty.	25 pc(s).	

**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).	

**Data sheet**

**WDK 2.5/D**

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**Accessories**

**Combined screwing and cutting tool "Swifty®"**

Combined cutting/screwing tool: Swifty® and Swifty® set for clean cutting of copper cables up to 1.5 mm<sup>2</sup> (solid) and 2.5 mm<sup>2</sup> (flexible)



**General ordering data**

Type	SWIFTY	Version
Order No.	<a href="#">9006020000</a>	Cutting tool for one-hand operation
GTIN (EAN)	4032248257409	
Qty.	1 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	Version
Order No.	<a href="#">1059100000</a>	End plate (terminals), 69 mm x 1.5 mm, dark beige
GTIN (EAN)	4008190101954	
Qty.	20 pc(s).	
Type	WAP WDK2.5 BL	Version
Order No.	<a href="#">1059180000</a>	End plate (terminals), 69 mm x 1.5 mm, blue
GTIN (EAN)	4008190081089	
Qty.	20 pc(s).	
Type	WAP WDK2.5 GN	Version
Order No.	<a href="#">1059140000</a>	End plate (terminals), 69 mm x 1.5 mm, green
GTIN (EAN)	4008190901790	
Qty.	20 pc(s).	

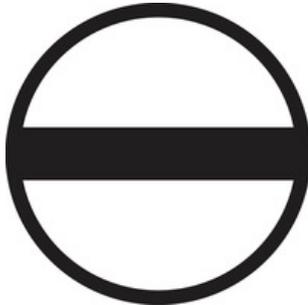
## WDK 2.5/D

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# Accessories

### Slotted screwdriver

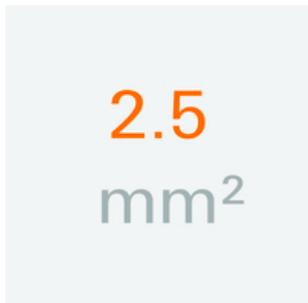


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

#### General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">9008330000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 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, Number of poles: 5,
GTIN (EAN)	4008190158446	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/30	Version
Order No.	<a href="#">1067500000</a>	Cross-connector (terminal), when screwed in, Number of poles: 30,
GTIN (EAN)	4008190031107	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/2	Version
Order No.	<a href="#">1053660000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190031121	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	50 pc(s).	
Type	WQV 2.5/15	Version
Order No.	<a href="#">1059660000</a>	Cross-connector (terminal), when screwed in, Number of poles: 15,
GTIN (EAN)	4008190002411	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/6	Version
Order No.	<a href="#">1054060000</a>	Cross-connector (terminal), when screwed in, Number of poles: 6,
GTIN (EAN)	4008190102272	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	

## WDK 2.5/D

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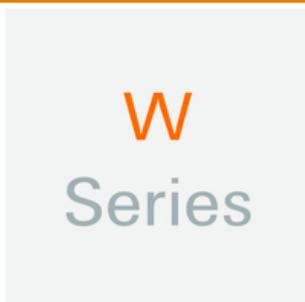
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## Accessories

Type	WQV 2.5/32	Version
Order No.	<a href="#">1577600000</a>	Cross-connector (terminal), when screwed in, Number of poles: 32,
GTIN (EAN)	4008190154035	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/8	Version
Order No.	<a href="#">1054260000</a>	Cross-connector (terminal), when screwed in, Number of poles: 8,
GTIN (EAN)	4008190073572	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/3	Version
Order No.	<a href="#">1053760000</a>	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190058999	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	50 pc(s).	
Type	WQV 2.5/20	Version
Order No.	<a href="#">1577570000</a>	Cross-connector (terminal), when screwed in, Number of poles: 20,
GTIN (EAN)	4008190125868	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/7	Version
Order No.	<a href="#">1054160000</a>	Cross-connector (terminal), when screwed in, Number of poles: 7,
GTIN (EAN)	4008190011246	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	10 pc(s).	
Type	WQV 2.5/4	Version
Order No.	<a href="#">1053860000</a>	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190049706	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	50 pc(s).	
Type	WQV 2.5/10	Version
Order No.	<a href="#">1054460000</a>	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190135089	Pitch in mm (P): 5.10, Insulated: Yes, 32 A, yellow
Qty.	20 pc(s).	

## W-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

## General ordering data

Type	WAD 4 GE BED	Version
Order No.	<a href="#">1072000000</a>	Terminal cover, PA 66, yellow, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446109	Depth: 9.6 mm
Qty.	50 pc(s).	

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**Accessories**

**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="#">106120000</a>	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 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="#">164074000</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).	

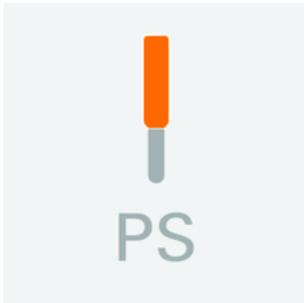
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**Accessories**

**Test plugs**



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**General ordering data**

Type	PS_QZV_SET	Version
Order No.	<a href="#">1116710000</a>	Test adapter (terminal), 1000 V, 20 A
GTIN (EAN)	4032248911455	
Qty.	1 pc(s).	
Type	PS_QZV	Version
Order No.	<a href="#">1121740000</a>	Test adapter (terminal), 1000 V, 20 A
GTIN (EAN)	4032248902675	
Qty.	1 pc(s).	

**SAK-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	EW 35	Version
Order No.	<a href="#">0383560000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	