

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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	Multi-tier modular terminal, Screw connection, 2.5 mm <sup>2</sup> , 400 V, Number of levels: 2, grey
Order No.	<a href="#">1255280000</a>
Type	WDK 2.5 GR
GTIN (EAN)	4050118048124
Qty.	100 pc(s).

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**Technical data****Dimensions and weights**

Depth	63 mm	Depth (inches)	2.48 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	12.03 g

**Temperatures**

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

**Material data**

Material	Wemid	Colour	grey
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	DEMKO15ATEX1346U	Certificate No. (IECEX)	IECEXULD15.0003U
Max. voltage (ATEX)	275 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	275 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>

**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

**Additional technical data**

Explosion-tested version	Yes	Type of mounting	Snap-on
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**Conductors for clamping (additional connection)**

Connection type, additional connection	Screw connection
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## Technical data

## Conductors for clamping (rated connection)

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
Number of connections	4	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Type of connection	Screw connection	Type of connection 2	Screw connection
Wire connection cross section AWG, max.	AWG 12	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	Wire connection cross section AWG, max.	AWG 12
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## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated DC voltage	400 V	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W		

## UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size B (UR)	20 A
Current size C (UR)	20 A	Voltage size B (UR)	300 V
Voltage size C (UR)	300 V		

## 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

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## Technical data

## Approvals

Approvals



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">POLSKIREJ certificate</a> <a href="#">CCC Ex Certificate</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> <a href="#">NTI WDK 2.5 DU PE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

### WDK 2.5 GR

**Weidmüller Interface GmbH & Co. KG**

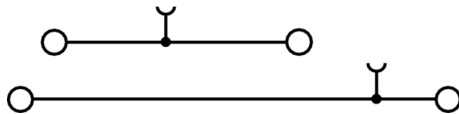
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## Drawings



## WDK 2.5 GR

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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).	

## 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, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

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## Accessories

## 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).	

## 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 WS	Version
Order No.	<a href="#">1072100000</a>	Terminal cover, PA 66, white, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446116	Depth: 9.6 mm
Qty.	50 pc(s).	
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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****W-Series**

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 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).	
Type	SL 5.08/4/WDK2.5 OR	Version
Order No.	<a href="#">1324100000</a>	Plug-in adaptor (Terminal), 5 A, Rated voltage to adjoining terminal:
GTIN (EAN)	4032248144884	250 V, orange
Qty.	75 pc(s).	
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).	



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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).	

## W-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	WZR WDK2.5	Version
Order No.	<a href="#">1074000000</a>	W-Series, Intermediate frame
GTIN (EAN)	4008190890384	
Qty.	20 pc(s).	
Type	WTW EN	Version
Order No.	<a href="#">1058800000</a>	Partition plate (terminal), Intermediate plate, 86 mm x 62 mm, dark
GTIN (EAN)	4008190140175	beige
Qty.	20 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****2.5 mm<sup>2</sup>****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 2.5/3	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 2.5/2	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 2.5/10	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).	
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).	

**WQB****General ordering data**

Type	WQB A/24	Version
Order No.	<a href="#">1579000000</a>	Cross-connector (terminal), when screwed in, Number of poles: 24,
GTIN (EAN)	4008190134211	Pitch in mm (P): 5.10, Insulated: Yes, black
Qty.	20 pc(s).	
Type	WQB A/10	Version
Order No.	<a href="#">1578990000</a>	Cross-connector (terminal), when screwed in, Number of poles: 10,
GTIN (EAN)	4008190182663	Pitch in mm (P): 5.10, Insulated: Yes, black
Qty.	20 pc(s).	

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## Accessories

Type	WQB A/2	Version
Order No.	<a href="#">1578950000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190179557	Pitch in mm (P): 5.10, Insulated: Yes, black
Qty.	50 pc(s).	
Type	WQB A/4	Version
Order No.	<a href="#">1578970000</a>	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190119522	Pitch in mm (P): 5.10, Insulated: Yes, black
Qty.	50 pc(s).	
Type	WQB A/3	Version
Order No.	<a href="#">1578960000</a>	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190108960	Pitch in mm (P): 5.10, Insulated: Yes, black
Qty.	50 pc(s).	

## Testsockets

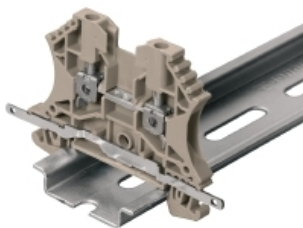


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	<a href="#">0215700000</a>	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 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

2.5 mm<sup>2</sup>


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).	

## 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).	