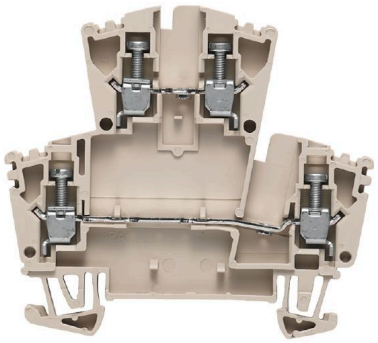
Data sheet

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, dark beige, 2.5 mm², 400 V, 400 V, Number of connections: 4, Number of levels: 2, TS 35
Order No.	1023200000
Type	WDK 2.5/D
GTIN (EAN)	4008190009380
Qty.	100 ST

WDK 2.5/D

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

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.4606 inch
Depth including DIN rail	63 mm	Height	69.5 mm
Height (inches)	2.7362 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	11.9 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

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 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm²
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²

Additional technical data

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

Data sheet

WDK 2.5/D

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

www.weidmueller.com

Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 26
Connection direction	on side	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	10 mm
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	4	Clamping range, max.	4 mm²
Clamping range, min.	0.05 mm²	Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	1.5 mm²
Torque level with DMS electric screwdriver	1	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

General

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

Rating data

Rated cross-section	2.5 mm²	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

Important note

Product information	The allowed continuous operating temperature must be observed

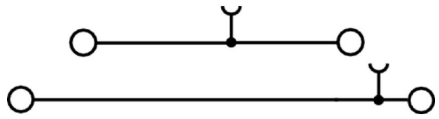
Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ETIM 9.0	EC000903
ETIM 10.0	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	ECLASS 14.0	27-25-01-14
ECLASS 15.0	27-25-01-14		

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

www.weidmueller.com

Drawings



Weidmüller

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

www.weidmueller.com

Accessories

2.5 mm²

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 2.5/2	Version
Order No.	1053660000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031121	poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/3	Version
Order No.	1053760000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190058999	poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/4	Version
Order No.	1053860000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190049706	poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/5	Version
Order No.	1053960000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190158446	poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/6	Version
Order No.	1054060000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190102272	poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/7	Version
Order No.	1054160000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190011246	poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/8	Version
Order No.	1054260000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190073572	poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/10	Version
Order No.	1054460000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190135089	poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	20 ST	
Type	WQV 2.5/15	Version
Order No.	1059660000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190002411	poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/30	Version
Order No.	1067500000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031107	poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

Weidmüller

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

www.weidmueller.com

Accessories

Type	WQV 2.5/20	Version
Order No.	1577570000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190125868	poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

Type	WQV 2.5/32	Version
Order No.	1577600000	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190154035	poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

Type	WAP WDK2.5	Version
Order No.	1059100000	End plate for terminals, dark beige, Height: 69 mm, Width: 1.5 mm,
GTIN (EAN)	4008190101954	V-0, Wemid, Snap-on: No
Qty.	20 ST	

Type	WAP WDK2.5 BL	Version
Order No.	1059180000	End plate for terminals, blue, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190081089	Wemid, Snap-on: No
Qty.	20 ST	

Type	WAP WDK2.5 GN	Version
Order No.	1059140000	End plate for terminals, green, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190901790	Wemid, Snap-on: No
Qty.	20 ST	

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.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

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.

Weidmüller

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

www.weidmueller.com

Accessories

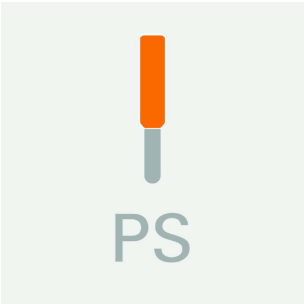
General ordering data

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	

Type	WTA 4N WDK 2.5	Version
Order No.	1878660000	Test adapter (terminal), 1.5 mm², 250 V, 6 A
GTIN (EAN)	4032248503285	
Qty.	25 ST	

Type	WTA 4N/ZA WDK 2.5	Version
Order No.	1879350000	Test adapter (terminal), 1.5 mm², 250 V, 6 A
GTIN (EAN)	4032248503261	
Qty.	25 ST	

Test plugs



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	PS_ZQV	Version
Order No.	1121740000	Test adapter (terminal), 1000 V, 20 A
GTIN (EAN)	4032248902675	
Qty.	1 ST	

Type	PS_ZQV_SET	Version
Order No.	1116710000	Test adapter (terminal), 1000 V, 20 A
GTIN (EAN)	4032248911455	
Qty.	1 ST	

Combined screwing and cutting tool "Swifty®"

Combined cutting/screwing tool: Swifty® and Swifty® set for clean cutting of copper cables up to 1.5 mm² (solid) and 2.5 mm² (flexible)

General ordering data

Type	SWIFTY CUT AND STRIP	Version
Order No.	9006020000	Cutting tool for one-hand operation
GTIN (EAN)	4032248257409	
Qty.	1 ST	

Weidmüller

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

www.weidmueller.com

Accessories

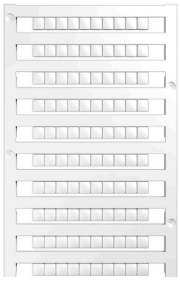
Slotted screwdriver

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.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	

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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	
Type	WS 8/5 MC NE WS	Version
Order No.	1640740000	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 ST	

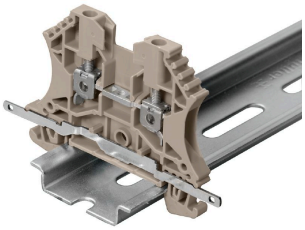
Weidmüller

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

www.weidmueller.com

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.	1056400000	W-Series, Shield bus
GTIN (EAN)	4008190036454	
Qty.	100 ST	

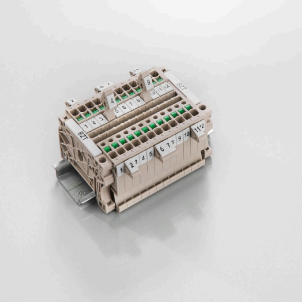
W-Series

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.	1072000000	Terminal cover, yellow, PA 66, Height: 19.8 mm, Width: 4.5 mm,
GTIN (EAN)	4008190446109	Depth: 9.6 mm, V-2
Qty.	50 ST	

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	

WDK 2.5/D

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

www.weidmueller.com

Accessories

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