WDK 2.5/TR-DU/O TNHE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image
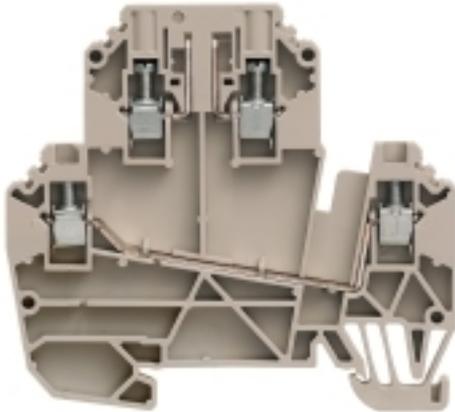
In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

Version	Test-disconnect terminal, Screw connection, 2.5 mm², 500 V, 24 A, without, Cross-disconnect: without, Integral test socket: No, TS 35, dark beige
Order No.	1833600000
Type	WDK 2.5/TR-DU/O TNHE
GTIN (EAN)	4032248996926
Qty.	50 pc(s).

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WDK 2.5/TR-DU/O TNHE

Technical data

Dimensions and weights

Depth	66 mm	Depth (inches)	2.598 inch
Depth including DIN rail	67 mm	Height	72.5 mm
Height (inches)	2.854 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	14.6 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, 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	No	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	20 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	A2
Number of connections	4	Stripping length	8 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection	Type of connection 2	Screw connection
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, 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 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, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	without		

General

Rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	24 A
Current at maximum wires	24 A	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG	Current size C (UR)	20 A
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ECLASS 9.0	27-14-11-26	ECLASS 9.1	27-14-11-26
ECLASS 10.0	27-14-11-26	ECLASS 11.0	27-14-11-26
ECLASS 12.0	27-14-11-26	ECLASS 13.0	27-25-01-09

Environmental Product Compliance

REACH SVHC	/

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WDK 2.5/TR-DU/O TNHE

Technical data

Approvals

Approvals	

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

Downloads

Approval/Certificate/Document of Conformity	CE Declaration of Conformity
	UKCA declaration of conformity
	Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

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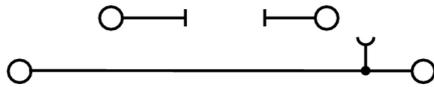
Weidmüller ⴲⴲ

WDK 2.5/TR-DU/O TNHE

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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1,000 pc(s).		

2.5 mm²

2.5 mm²
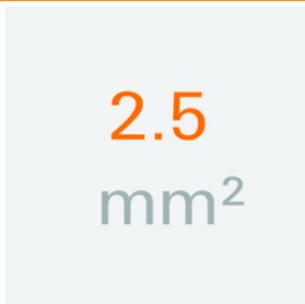
Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 2.5/3	Version	
Order No.	1053760000	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 2.5/4	Version	
Order No.	1053860000	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 2.5/2	Version	
Order No.	1053660000	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).		

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Accessories

Type	WQV 2.5/10	Version	
Order No.	1054460000	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).		

2.5 mm²
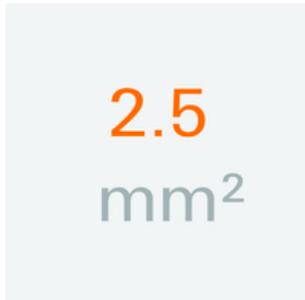
End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	WAP WDK 2.5N/TR-DU	Version
Order No.	1839850000	End plate (terminals), 80.35 mm x 1.5 mm, dark beige
GTIN (EAN)	4032248998319	
Qty.	50 pc(s).	

Fuse holder

The fuse holder SIHA quickly turns a disconnect terminal into a fuse terminal: simply remove the disconnect lever and attach the fuse unit.

General ordering data

Type	SIHA 3/G20/LD 140-250V	Version
Order No.	7921600000	Fuse holder for feed-through modular terminal, 2.31 mA, pluggable
GTIN (EAN)	4032248322633	
Qty.	25 pc(s).	
Type	SIHA 3/G20	Version
Order No.	7921560000	Fuse holder for feed-through modular terminal, pluggable
GTIN (EAN)	4032248264643	
Qty.	25 pc(s).	
Type	SIHA 3/G20/LD 10-36V	Version
Order No.	7921570000	Fuse holder for feed-through modular terminal, 2.31 mA, pluggable
GTIN (EAN)	4032248322503	
Qty.	25 pc(s).	

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Accessories

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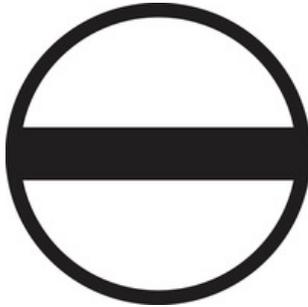
Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000		Screwdriver, Screwdriver
GTIN (EAN)	4032248056286		
Qty.	1 pc(s).		

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.	2007150000		WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029		
Qty.	800 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.	1640740000	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190279103	Allen-Bradley, white	
Qty.	720 pc(s).		

Disconnect plugs

In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	TNST	Version	
Order No.	1833090000	Accessories, Disconnect plug, 20 A	
GTIN (EAN)	4032248471485		
Qty.	50 pc(s).		

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Accessories

Component plugs

The component plug is used to integrate an electrical component in a disconnect terminal block. After soldering the electronic component, the plug can be integrated into the disconnection area of our disconnect terminal blocks and thus changes the disconnect terminal block into a modular terminal block with integrated electronic component.

General ordering data

Type	BEST/DRBR	Version	
Order No.	1878570000	Accessories, Component plug, 22 A	
GTIN (EAN)	4032248471508		
Qty.	50 pc(s).		
Type	BEST/D	Version	
Order No.	1878560000	Accessories, Component plug, 1 A	
GTIN (EAN)	4032248471492		
Qty.	50 pc(s).		
Type	BEST	Version	
Order No.	1833100000	Accessories, Component plug	
GTIN (EAN)	4032248501014		
Qty.	50 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 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 pc(s).		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 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 35/1	Version	
Order No.	1059000000	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in	
GTIN (EAN)	4008190172282		
Qty.	50 pc(s).		

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