Weidmüller

WDK 2.5 2D

Product image

Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	W-Series, Component terminal, Rated cross-section: 2.5 mm², Screw connection
Order No.	1023500000
Type	WDK 2.5 2D
GTIN (EAN)	4008190100865
Qty.	25 pc(s).

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WDK 2.5 2D

Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	69 mm
Height (inches)	2.717 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	12.39 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, with diode, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	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 connection cross section, finely stranded, two clampable wires, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²

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)	200039-1494105	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		

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Technical data

Component

Component diode	Type diode	1N4007
	Forward current	1 A
	Reverse voltage	1,300 V
	Forward voltage	0.7 V

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm²
Clamping range, min.	0.05 mm²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	1.5 mm²
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
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26	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, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

Dimensions

TS 35 offset	35.5 mm

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	2.5 mm²	Rated voltage	400 V
Rated current	1 A	Current at maximum wires	1 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		

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		

WDK 2.5 2D

Technical data

Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	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		

Important note

Product information	Rated current 10 A only for the continuous currentbar. Components may reduce the rated current and the rated voltage. The permissible continuous operating temperature must be observed. The allowed continuous operating temperature must be observed

Approvals

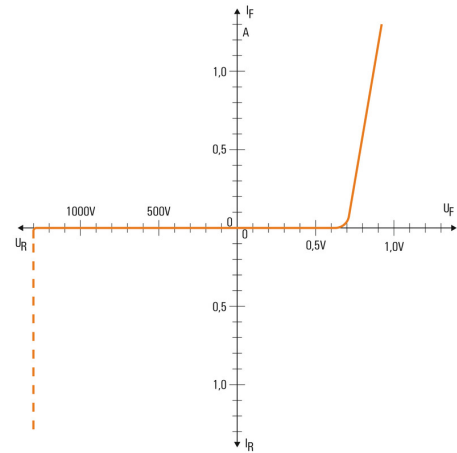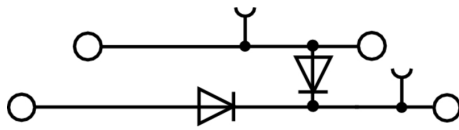|	
Approvals	C E CSA EAC UL
ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

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WDK 2.5 2D

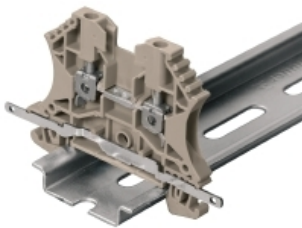## Accessories

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).		

Shielding connection

Shielding and earthing
Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

General ordering data

Type	LS 2.8 WDU2.5-10	Version	
Order No.	1056400000	W-Series, Shield bus	
GTIN (EAN)	4008190036454		
Qty.	100 pc(s).		

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Accessories

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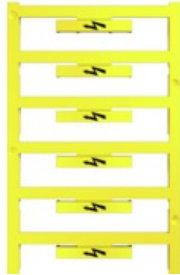
The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers.

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.	1120450000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 yellow	
GTIN (EAN)	4032248901272		
Qty.	48 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 WDK2.5 BL	Version	
Order No.	1059180000	W-Series, End plate	
GTIN (EAN)	4008190081089		
Qty.	20 pc(s).		
Type	WAP WDK2.5	Version	
Order No.	1059100000	W-Series, End plate	
GTIN (EAN)	4008190101954		
Qty.	20 pc(s).		
Type	WAP WDK2.5 GN	Version	
Order No.	1059140000	W-Series, End plate	
GTIN (EAN)	4008190901790		
Qty.	20 pc(s).		

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WDK 2.5 2D

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

www.weidmueller.com

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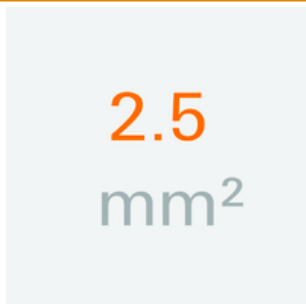
Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQV 2.5/4	Version	
Order No.	1053860000	W-Series, Cross-connector, For the terminals, Number of poles: 4	
GTIN (EAN)	4008190049706		
Qty.	50 pc(s).		
Type	WQV 2.5/8	Version	
Order No.	1054260000	W-Series, Cross-connector, For the terminals, Number of poles: 8	
GTIN (EAN)	4008190073572		
Qty.	10 pc(s).		
Type	WQV 2.5/10	Version	
Order No.	1054460000	W-Series, Cross-connector, For the terminals, Number of poles: 10	
GTIN (EAN)	4008190135089		
Qty.	20 pc(s).		

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Accessories

Type	WQV 2.5/2	Version	
Order No.	1053660000	W-Series, Cross-connector, For the terminals, Number of poles: 2	
GTIN (EAN)	4008190031121		
Qty.	50 pc(s).		
Type	WQV 2.5/20	Version	
Order No.	1577570000	W-Series, Cross-connector, For the terminals, Number of poles: 20	
GTIN (EAN)	4008190125868		
Qty.	10 pc(s).		
Type	WQV 2.5/5	Version	
Order No.	1053960000	W-Series, Cross-connector, For the terminals, Number of poles: 5	
GTIN (EAN)	4008190158446		
Qty.	10 pc(s).		
Type	WQV 2.5/15	Version	
Order No.	1059660000	W-Series, Cross-connector, For the terminals, Number of poles: 15	
GTIN (EAN)	4008190002411		
Qty.	10 pc(s).		
Type	WQV 2.5/32	Version	
Order No.	1577600000	W-Series, Cross-connector, For the terminals, Number of poles: 32	
GTIN (EAN)	4008190154035		
Qty.	10 pc(s).		
Type	WQV 2.5/3	Version	
Order No.	1053760000	W-Series, Cross-connector, For the terminals, Number of poles: 3	
GTIN (EAN)	4008190058999		
Qty.	50 pc(s).		
Type	WQV 2.5/6	Version	
Order No.	1054060000	W-Series, Cross-connector, For the terminals, Number of poles: 6	
GTIN (EAN)	4008190102272		
Qty.	10 pc(s).		
Type	WQV 2.5/7	Version	
Order No.	1054160000	W-Series, Cross-connector, For the terminals, Number of poles: 7	
GTIN (EAN)	4008190011246		
Qty.	10 pc(s).		
Type	WQV 2.5/30	Version	
Order No.	1067500000	W-Series, Cross-connector, For the terminals, Number of poles: 30	
GTIN (EAN)	4008190031107		
Qty.	10 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).		

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.	1061200000	W-Series, End bracket	
GTIN (EAN)	4008190030230		
Qty.	50 pc(s).		

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Accessories

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	Accessories, End bracket	
GTIN (EAN)	4008190181314		
Qty.	50 pc(s).		

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	Version	
Order No.	9006020000	Cutting tool for one-hand operation	
GTIN (EAN)	4032248257409		
Qty.	1 pc(s).		

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