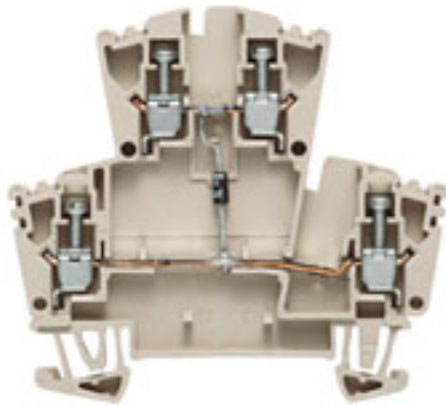


W-Series
WDK 2.5 1D A.2

Weidmüller Interface GmbH & Co. KG
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Klippon® Connect with clamping yoke Technology

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

General ordering data

Type	WDK 2.5 1D A.2
Order No.	1023300000
Version	W-Series, Component terminal, Rated cross-section: 2.5 mm ² , Screw connection
GTIN (EAN)	4008190187200
Qty.	25 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	69 mm	Height (inches)	2.717 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Net weight	12.15 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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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	Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	2	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	Yes
PE connection	No	Mounting 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, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²

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)	1 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
Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
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 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 35 offset	35.5 mm
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated current	10 A	Current at maximum wires	10 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	2.66 mΩ
Rated impulse withstand voltage	6 kV	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		

Classifications

ETIM 3.0	EC000903	ETIM 4.0	EC000903
ETIM 5.0	EC000903	ETIM 6.0	EC000903
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-27
eClass 6.2	27-14-11-27	eClass 7.1	27-14-11-27
eClass 8.1	27-14-11-27	eClass 9.0	27-14-11-27
eClass 9.1	27-14-11-47		

Product information

Descriptive text ordering data	2.5 mm ² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		
Descriptive text technical data	Rated current is 10 A for continuous busbars only. Diode 1 N 4007		
Descriptive text accessories	Cross-connections, see section "W series accessories".		

Data sheet**W-Series
WDK 2.5 1D A.2**

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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1081_20160418_656_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Engineering Data

[1023300000_14186_WDK_2.5_1D_A.2_STP.stp](#)**Safety note**

Safety notice

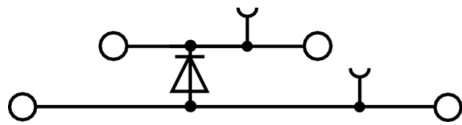
[Safety Information](#)

Data sheet

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Drawings



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Accessories

End plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAP WDK2.5	1059100000	W-Series, End plate	4008190101954	20 pc(s).
WAP WDK2.5	1059180000	W-Series, End plate	4008190081089	20 pc(s).
BL				
WAP WDK2.5	1059140000	W-Series, End plate	4008190901790	20 pc(s).
GN				

End bracket



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 35	0383560000	Accessories, End bracket	4008190181314	50 pc(s).

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Accessories
WQV 2.5

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WQV 2.5/6	1054060000	W-Series, Cross-connector, For the terminals, No. of poles: 6	4008190102272	10 pc(s).
WQV 2.5/30	1067500000	W-Series, Cross-connector, For the terminals, No. of poles: 30	4008190031107	10 pc(s).
WQV 2.5/8	1054260000	W-Series, Cross-connector, For the terminals, No. of poles: 8	4008190073572	10 pc(s).
WQV 2.5/10	1054460000	W-Series, Cross-connector, For the terminals, No. of poles: 10	4008190135089	20 pc(s).
WQV 2.5/2	1053660000	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190031121	50 pc(s).
WQV 2.5/3	1053760000	W-Series, Cross-connector, For the terminals, No. of poles: 3	4008190058999	50 pc(s).
WQV 2.5/20	1577570000	W-Series, Cross-connector, For the terminals, No. of poles: 20	4008190125868	10 pc(s).
WQV 2.5/5	1053960000	W-Series, Cross-connector, For the terminals, No. of poles: 5	4008190158446	10 pc(s).
WQV 2.5/4	1053860000	W-Series, Cross-connector, For the terminals, No. of poles: 4	4008190049706	50 pc(s).
WQV 2.5/15	1059660000	W-Series, Cross-connector, For the terminals, No. of poles: 15	4008190002411	10 pc(s).
WQV 2.5/7	1054160000	W-Series, Cross-connector, For the terminals, No. of poles: 7	4008190011246	10 pc(s).
WQV 2.5/32	1577600000	W-Series, Cross-connector, For the terminals, No. of poles: 32	4008190154035	10 pc(s).

Data sheet

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Accessories

Combined screwing and cutting tool "Swiftly®"

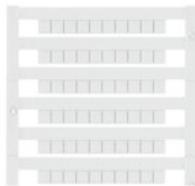
Combined cutting/screwing tool: Swiftly® and Swiftly® set for clean cutting of copper cables up to 1.5 mm² (solid) and 2.5 mm² (flexible)



General ordering data

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC NE WS	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5,00 Weidmueller, White	4008190397111	1,000 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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 8/5 MC	1640740000	WS, Terminal marker, 8 x 5	4008190279103	720 pc(s).
NE WS		mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White		

End brackets



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/2	1061200000	W-Series, End bracket	4008190030230	100 pc(s).

Tools



Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.6X3.5X100	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length:	4032248056286	1 pc(s).

Data sheet

W-Series WDK 2.5 1D A.2

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Accessories

100 mm, Blade thickness
 (A): 0.6 mm

Shielding bus



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General ordering data

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

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 ADVANCED printers.

- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 5 MC B	1120450000	Group marker, Cover, 33.3 x 40	3224890127248	48 pc(s).
GE/SW		5 mm, Pitch in mm (P): 5.00		
		Yellow		