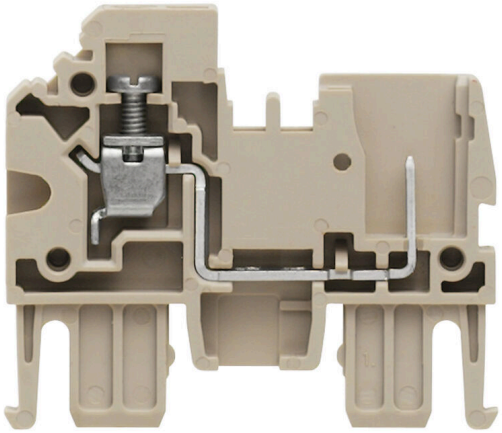
Data sheet

WDT 2.5 AT

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

www.weidmueller.com

Product image



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Version	Plug-in adaptor (Terminal), 24 A, dark beige, Wemid
Order No.	1305320000
Type	WDT 2.5 AT
GTIN (EAN)	4050118104363
Qty.	50 items

Data sheet

WDT 2.5 AT

Weidmüller Interface GmbH & Co. KG
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Technical data

Approvals

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

Dimensions and weights

Depth	24.6 mm	Depth (inches)	0.9685 inch
Height	42 mm	Height (inches)	1.6535 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	5.14 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	1 plug-in connection - 1 plug-in connection - 1 adapter connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	1	Number of clamping points per level	1
Number of potentials per tier	1	PE connection	No

Additional technical data

Open sides	right	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70001233
Voltage size B (CSA)	300 V	Current size B (CSA)	20 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	7 mm
Type of connection 2	Plug-in connection	Type of connection	Screw connection
Number of connections	1	Clamping range, max.	4 mm²
Clamping range, min.	0.13 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
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 12	Wire connection cross section AWG, min.	AWG 26
Standards	In accordance with IEC 60947-7-1		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Current at maximum wires	27 A	Standards	In accordance with 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

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	300 V
Voltage size D (cURus)	300 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Current size B (cURus)	20 A	Voltage size C (cURus)	300 V
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		

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Accessories

Cross-connections

The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 ST	
Type	ZQV 2.5N/3 GE	Version
Order No.	1693810000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 ST	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 ST	
Type	ZQV 2.5N/5 GE	Version
Order No.	1693830000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883669	
Qty.	20 ST	
Type	ZQV 2.5N/6 GE	Version
Order No.	1693840000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883676	
Qty.	20 ST	
Type	ZQV 2.5N/7 GE	Version
Order No.	1693850000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883683	
Qty.	20 ST	
Type	ZQV 2.5N/8 GE	Version
Order No.	1693860000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883690	
Qty.	20 ST	
Type	ZQV 2.5N/9 GE	Version
Order No.	1693870000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883706	
Qty.	20 ST	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 ST	
Type	ZQV 2.5N/20 GE	Version
Order No.	1909000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 ST	

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Accessories

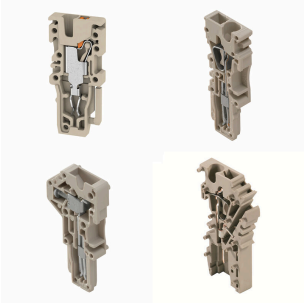
End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP WDT 2.5 AT	Version
Order No.	1305250000	End plate for terminals, dark beige, Height: 40.75 mm, Width: 1.5
GTIN (EAN)	4050118104486	mm, V-0, Wemid, Snap-on: Yes
Qty.	50 ST	

Plugs



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General ordering data

Type	ZVR ZP2.5	Version
Order No.	1816130000	Z-series, Locking clips, yellow, 3.9 mm
GTIN (EAN)	4032248370702	
Qty.	25 ST	
Type	KOSF ZT2.5	Version
Order No.	1816150000	Z-series, Coding element, yellow, 2.9 mm
GTIN (EAN)	4032248370726	
Qty.	50 ST	
Type	ZZE ZP2.5	Version
Order No.	1816140000	Z-series, Strain relief, yellow, 9.9 mm
GTIN (EAN)	4032248370719	
Qty.	25 ST	

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Accessories

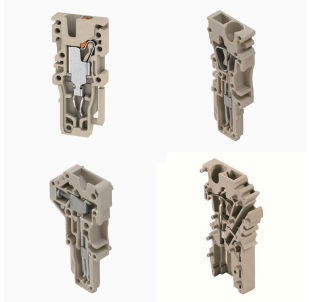
Slotted screwdriver

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 ST	

Plugs



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Type	WP 2.5/1AN/1	Version
Order No.	1305270000	Plug (terminal), Screw connection, 2.5 mm², 24 A, 500 V, Number of
GTIN (EAN)	4050118104547	connections: 1, Number of poles: 1, Width: 6.1 mm
Qty.	50 ST	
Type	WP 2.5/1AN/10	Version
Order No.	1305280000	Plug (terminal), Screw connection, 2.5 mm², 24 A, 500 V, Number of
GTIN (EAN)	4050118104530	connections: 10, Number of poles: 10, Width: 52 mm
Qty.	50 ST	

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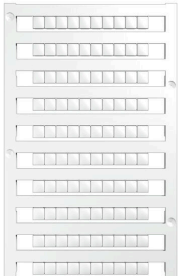
Accessories

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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	
Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 ST	

Cross-connections

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General ordering data

Type	ZQV 2.5N/10 BL	Version
Order No.	1718070000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349684	
Qty.	20 ST	
Type	ZQV 2.5N/10 RT	Version
Order No.	1717980000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190349677	
Qty.	20 ST	
Type	ZQV 2.5N/10 SW	Version
Order No.	1718160000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4008190349691	
Qty.	20 ST	

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Accessories

Type	ZQV 2.5N/10 WS	Version
Order No.	1193340000	W-Series, Cross-connector, For the terminals, Number of poles: 10
GTIN (EAN)	4032248976355	
Qty.	20 ST	
Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 ST	
Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 ST	
Type	ZQV 2.5N/2 SW	Version
Order No.	1718080000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
Qty.	60 ST	
Type	ZQV 2.5N/2 WS	Version
Order No.	1193260000	W-Series, Cross-connector, For the terminals, Number of poles: 2
GTIN (EAN)	4032248975846	
Qty.	60 ST	
Type	ZQV 2.5N/20 BL	Version
Order No.	1909140000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535927	
Qty.	20 ST	
Type	ZQV 2.5N/20 RT	Version
Order No.	1909110000	W-Series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535781	
Qty.	20 ST	
Type	ZQV 2.5N/20 SW	Version
Order No.	1909130000	W-Series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535910	
Qty.	20 ST	
Type	ZQV 2.5N/20 WS	Version
Order No.	1193350000	W-Series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248975877	
Qty.	20 ST	
Type	ZQV 2.5N/3 BL	Version
Order No.	1718000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349332	
Qty.	60 ST	
Type	ZQV 2.5N/3 RT	Version
Order No.	1717910000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190349318	
Qty.	60 ST	
Type	ZQV 2.5N/3 SW	Version
Order No.	1718090000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4008190349325	
Qty.	60 ST	
Type	ZQV 2.5N/3 WS	Version
Order No.	1193270000	W-Series, Cross-connector, For the terminals, Number of poles: 3
GTIN (EAN)	4032248975853	
Qty.	60 ST	

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Accessories

Type	ZQV 2.5N/4 BL	Version
Order No.	1718010000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349356	
Qty.	60 ST	
Type	ZQV 2.5N/4 RT	Version
Order No.	1717920000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190349349	
Qty.	60 ST	
Type	ZQV 2.5N/4 SW	Version
Order No.	1718100000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4008190349363	
Qty.	60 ST	
Type	ZQV 2.5N/4 WS	Version
Order No.	1193280000	W-Series, Cross-connector, For the terminals, Number of poles: 4
GTIN (EAN)	4032248976348	
Qty.	60 ST	
Type	ZQV 2.5N/5 BL	Version
Order No.	1718020000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349394	
Qty.	20 ST	
Type	ZQV 2.5N/5 RT	Version
Order No.	1717930000	W-Series, Cross-connector, For the terminals, Number of poles: 5
GTIN (EAN)	4008190349370	
Qty.	20 ST	
Type	ZQV 2.5N/5 SW	Version
Order No.	1718110000	W-Series, Cross-connector, For the terminals, Number of poles: 5
GTIN (EAN)	4008190349387	
Qty.	20 ST	
Type	ZQV 2.5N/5 WS	Version
Order No.	1193290000	W-Series, Cross-connector, For the terminals, Number of poles: 5
GTIN (EAN)	4032248976331	
Qty.	20 ST	
Type	ZQV 2.5N/50 BL	Version
Order No.	1718180000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349721	
Qty.	5 ST	
Type	ZQV 2.5N/50 GE	Version
Order No.	1693890000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883737	
Qty.	5 ST	
Type	ZQV 2.5N/50 RT	Version
Order No.	1718170000	W-Series, Cross-connector, For the terminals, Number of poles: 50
GTIN (EAN)	4008190349714	
Qty.	5 ST	
Type	ZQV 2.5N/50 SW	Version
Order No.	1718190000	W-Series, Cross-connector, For the terminals, Number of poles: 50
GTIN (EAN)	4008190349707	
Qty.	5 ST	
Type	ZQV 2.5N/6 BL	Version
Order No.	1718030000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349417	
Qty.	20 ST	

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Accessories

Type	ZQV 2.5N/6 RT	Version
Order No.	1717940000	W-Series, Cross-connector, For the terminals, Number of poles: 6
GTIN (EAN)	4008190349400	
Qty.	20 ST	
Type	ZQV 2.5N/6 SW	Version
Order No.	1718120000	W-Series, Cross-connector, For the terminals, Number of poles: 6
GTIN (EAN)	4008190349424	
Qty.	20 ST	
Type	ZQV 2.5N/6 WS	Version
Order No.	1193300000	W-Series, Cross-connector, For the terminals, Number of poles: 6
GTIN (EAN)	4032248975747	
Qty.	20 ST	
Type	ZQV 2.5N/7 BL	Version
Order No.	1718040000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349455	
Qty.	20 ST	
Type	ZQV 2.5N/7 RT	Version
Order No.	1717950000	W-Series, Cross-connector, For the terminals, Number of poles: 7
GTIN (EAN)	4008190349431	
Qty.	20 ST	
Type	ZQV 2.5N/7 SW	Version
Order No.	1718130000	W-Series, Cross-connector, For the terminals, Number of poles: 7
GTIN (EAN)	4008190349448	
Qty.	20 ST	
Type	ZQV 2.5N/7 WS	Version
Order No.	1193310000	W-Series, Cross-connector, For the terminals, Number of poles: 7
GTIN (EAN)	4032248975860	
Qty.	20 ST	
Type	ZQV 2.5N/8 BL	Version
Order No.	1718050000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349561	
Qty.	20 ST	
Type	ZQV 2.5N/8 RT	Version
Order No.	1717960000	W-Series, Cross-connector, For the terminals, Number of poles: 8
GTIN (EAN)	4008190349523	
Qty.	20 ST	
Type	ZQV 2.5N/8 SW	Version
Order No.	1718140000	W-Series, Cross-connector, For the terminals, Number of poles: 8
GTIN (EAN)	4008190349585	
Qty.	20 ST	
Type	ZQV 2.5N/8 WS	Version
Order No.	1193320000	W-Series, Cross-connector, For the terminals, Number of poles: 8
GTIN (EAN)	4032248975754	
Qty.	20 ST	
Type	ZQV 2.5N/9 BL	Version
Order No.	1718060000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349660	
Qty.	20 ST	
Type	ZQV 2.5N/9 SW	Version
Order No.	1718150000	W-Series, Cross-connector, For the terminals, Number of poles: 9
GTIN (EAN)	4008190349653	
Qty.	20 ST	

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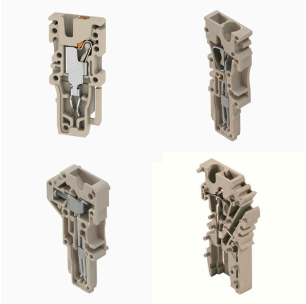
Accessories

Type	ZQV 2.5N/9 WS	Version
Order No.	1193330000	W-Series, Cross-connector, For the terminals, Number of poles: 9
GTIN (EAN)	4032248975761	
Qty.	20 ST	

Plugs



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General ordering data

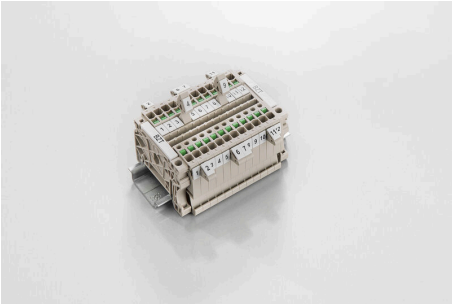
Type	ZP 2.5/1AN/1	Version
Order No.	1815430000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370238	
Qty.	50 ST	

Type	ZP 2.5/1AN/10	Version
Order No.	1815560000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342624	
Qty.	20 ST	

Type	ZP 2.5/1AN/QV	Version
Order No.	1007900000	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248711277	
Qty.	50 ST	

Type	ZP 2.5/1AN/QV/10	Version
Order No.	1815280000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342563	
Qty.	20 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	

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Accessories

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