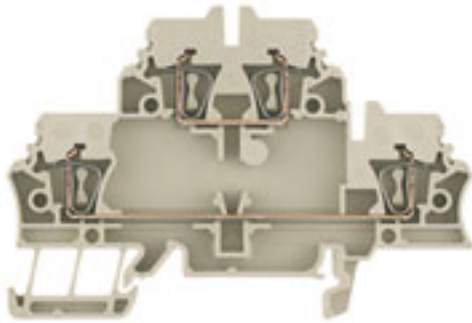


Z terminal with tension spring connection ZDK 2.5

Weidmüller Interface GmbH & Co. KG
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

Type	ZDK 2.5
Order No.	1674300000
Version	Z terminal with tension spring connection, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, Dark Beige
GTIN (EAN)	4008190444884
Qty.	50 pc(s).

**Z terminal with tension spring connection
ZDK 2.5**

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Technical data
Dimensions and weights

Length	79.5 mm	Width	5.1 mm
Height	53 mm	Height of lowest version	54 mm
Net weight	9.79 g		

Temperatures

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

Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX4677U	ATEX certificate	KEMA97ATEX4677U_d.pdf
ATEX certificate	KEMA97ATEX4677U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	18 A	Wire cross section max. (ATEX)	2.5 mm ²
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Tension-clamp connection, for plug-in cross-connector, One end without connector		

CSA ratings data

Certificate No. (CSA)	12400-367	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Voltage size D (CSA)	300 V
Current size B (CSA)	25 A	Current size C (CSA)	25 V
Current size D (CSA)	10 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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Technical data

Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	4	Clamping range, rated connection, min.	0.05 mm ²
Clamping range, rated connection, max.	2.5 mm ²	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	2.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

Dimensions

TS 35 offset	39 mm
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Rated data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	20 A
Current at maximum wires	20 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	300 V
Current size C (UR)	15 A	Conductor size Factory wiring max. (UR)	14 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	14 AWG

Material data

Insulating material	Wemid	Material	Wemid
Colour	Beige	UL 94 flammability rating	V-0

System specifications

Product family	Z terminal with tension spring connection	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	2
Number of connections	4	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-01
eClass 5.1	27-14-11-18	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Data sheet**Z terminal with tension spring connection
ZDK 2.5**

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Technical data**Product information**

Descriptive text ordering data	ZBS 1 component plug ZBS 1 can be used for LED (1764550000).
Descriptive text technical data	2.5 mm ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Descriptive text accessories	ZVQ 2.5/15 (1720700000) connects two busbars, one above the other.

Approvals

Approvals



ROHS

Conform

**Z terminal with tension spring connection
ZDK 2.5**

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Accessories

ZTA 4



Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.
 The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 4	1688110000	Test adapter, Rated control voltage:	4008190855666	25 pc(s).

ZBS



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZBS1 SET	1764540000	Accessories, Component plug	4032248113651	10 pc(s).
ZBS1 F.D SET	1764550000	Accessories, Component plug	4032248113644	10 pc(s).

Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 12/6 MC NE WS	1610020000	Terminal markers, MultiCard, 12 x 6 mm,	4008190444600	400 pc(s).

Z terminal with tension spring connection ZDK 2.5

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Accessories

Polyamide 66, Colour:
 White

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	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.6X3.5X100	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

STR transparent strips



The various connector markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
STR 7 F.SCHT 7	9515300000	Terminal markers, 27 x 6.3 mm, Polyester, PVC-free, Colour: Transparent	4008190182175	20 pc(s).

Z terminal with tension spring connection ZDK 2.5

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Accessories

Blank



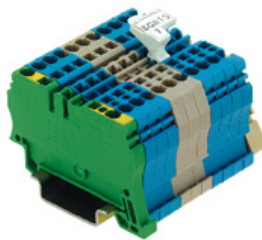
ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 15/5 MC	1646630000	Terminal markers, MultiCard, 15 x 5 mm, Polyamide 66, Colour: White	4008190401214	480 pc(s).

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 connector markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 connector markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZGB 30	1611930000	Group marker, Terminal markers, 32 x 7 mm, Polyamide 66, Colour: White	4008190002251	20 pc(s).
ZGB 30/3.5	1778290000	Group marker, Terminal markers, 32 x 7 mm, Polyamide 66, Colour: White	4032248161065	20 pc(s).
ZGB 15	1636530000	Group marker, Terminal markers, 15 x 7 mm, Polyamide 66, Colour: White	4008190297053	20 pc(s).

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Accessories

Blank



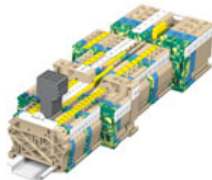
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, 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 12/3.5	1778270000	Terminal markers,	4032248161041	600 pc(s).
MC NE WS		MultiCard, 12 x 3.5 mm, Polyamide 66, Colour: White		

Cross-connection



A plug-in cross-connection system (ZQV) is available for all modular terminals of the P-series.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/20	1908960000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 20	4032248535293	20 pc(s).

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Accessories
ZAP/TW 2.5/1.5


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW	1674730000	Z-series, End plate, Partition	4008190444891	20 pc(s).
ZDK2.5		plate		
ZAP/TW	1748800000	Z-series, End plate, Partition	4008190997519	20 pc(s).
ZDK2.5 BL		plate		

ZVQ 2.5/1.5


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZVQ 2.5/1.5	1720700000	Accessories, Cross-connector, For the terminals, No. of poles: 1	4008190374006	50 pc(s).

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Accessories
Group tag holders for S10


The various connector markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WT 6 F.S10	1058960000	Group marker, Terminal markers, 15.3 x 5 mm, Polyamide 66, Colour: White	4008190095468	100 pc(s).
WT 5 F.S10	1579330000	Group marker, Terminal markers, 12.8 x 5 mm, Polyamide 66, Colour: White	4008190029609	100 pc(s).
WT 4 F.S10	1341060000	Group marker, Terminal markers, 10.1 x 5 mm, Polyamide 66, Colour: White	4008190163648	100 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 large range of ready-printed markers.

Strips for fast installation in one work step. The printing is easy to read, rich in contrast, and is available in five widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Connector markers, suitable for all Weidmüller cable connectors
- Available as blank cards, MultiCard or as cards with standard printing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5	1609801044	Terminal markers,	4008190397111	1,000 pc(s).
MC-10 NE WS		MultiCard, 5 x 5 mm, Polyamide 66, Colour: White		

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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 12/5 MC	1609860000	Terminal markers, MultiCard, 12 x 5 mm, Polyamide 66, Colour: White	4008190203481	720 pc(s).
NE WS				

Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 10/5 MC	1610000000	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190263171	480 pc(s).
NE WS				

Z terminal with tension spring connection ZDK 2.5

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Accessories

ZQV 2.5



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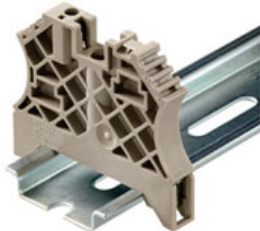
The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/9	1608930000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190117009	20 pc(s).
ZQV 2.5/6	1608900000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190149840	20 pc(s).
ZQV 2.5/8	1608920000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190061531	20 pc(s).
ZQV 2.5/2	1608860000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190123680	60 pc(s).
ZQV 2.5/7	1608910000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190159665	20 pc(s).
ZQV 2.5/10	1608940000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190099060	20 pc(s).
ZQV 2.5/4	1608880000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190082208	60 pc(s).
ZQV 2.5/5	1608890000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190065713	20 pc(s).
ZQV 2.5/3	1608870000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190061630	60 pc(s).
ZQV 2.5/50	1697540000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 50	4008190883256	10 pc(s).

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Accessories
for TS 35 terminal rail


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	Order No.	Version	GTIN (EAN)	Qty.
ZEW 35/2	8630740000	Accessories, End bracket	4032248348916	20 pc(s).
EW 35 GR	0383530000	Accessories, End bracket	4008190027322	50 pc(s).
7032				
EW 35	0383560000	Accessories, End bracket	4008190181314	50 pc(s).
EW 35/ SCHA/M3	0258660000	Accessories, End bracket	4008190033477	20 pc(s).
ZEW 35	9540000000	Accessories, End bracket	4008190956264	20 pc(s).
WEW 35/2	1061200000	Accessories, End bracket	4008190030230	100 pc(s).
WEW 35/1	1059000000	Accessories, End bracket	4008190172282	50 pc(s).