Weidmüller ⟩€

Earth terminal
ZPEA 2.5-2

This range of small terminals with tension clamp connections enables the building of individual blocks with 2- and 4-pole terminals.
Individual blocks are made up from the middle terminals plus end plates on the open sides.
For a screw fixing, the first middle terminal plus the end plate are replaced by end terminals for the fixing. For the other types of fixing, middle terminals with a fixing option are included in the block or a mounting foot (MOFU) is fitted for attaching to the terminal rail.

General ordering data

Type	ZPEA 2.5-2
Order No.	1720950000
Version	Earth terminal, PE terminal, Rated cross-section: 2.5 mm², Tension clamp connection, Wemid, green / yellow
GTIN (EAN)	4008190376819
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Length	35 mm	Width	5.1 mm
Height	30 mm	Height of lowest version	30.5 mm
Net weight	4.68 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)	KEMA97ATEX4678U	ATEX certificate	KEMA97ATEX4678U_d.pdf
ATEX certificate	KEMA97ATEX4678U_e.pdf	Wire cross section max. (ATEX)	2.5 mm²
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, With PE connection, One end without connector		

CSA ratings data

Certificate No. (CSA)	200039-1152892	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 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1.5 mm²

Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.13 mm²
Clamping range, rated connection, max.	4 mm²	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	4 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	1.5 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

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Technical data

Dimensions

TS 15 offset	17.5 mm	TS 32 offset	34.5 mm
TS 35 offset	34.5 mm		

Rated data

Rated cross-section	2.5 mm²	Rated voltage to adjoining terminal	500 V
Rated impulse withstand voltage	6 kV	Rated impulse withstand voltage to adjacent terminal	6 kV
Rated current	24 A	Standards	IEC 60947-7-2
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG

Material data

Insulating material	Wemid	Material	Wemid
Colour	Yellow, Green	UL 94 flammability rating	V-0

System specifications

Product family	Earth terminal	Type of connection	Tension clamp connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 15
End cover plate required	Yes		

Classifications

ETIM 3.0	EC000901	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

Descriptive text technical data	TS 15 - sliced construction

Approvals

Approvals	
ROHS	Conform

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Accessories

ZTW ZDUB

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.
ZTW ZDUB	1704340000	Z-series, Partition plate	4008190948597	50 pc(s).

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).

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 10/5 MC NE WS	1635000000	Terminal markers, MultiCard, 10 x 5 mm,	4008190261948	720 pc(s).

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Accessories

		Polyamide 66, Colour: White		
WS 10/5 MC 1792000000 M NE WS		Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4032248223862	720 pc(s).

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 10/15 MC NE WS	1854090000	Terminal markers, MultiCard, 10 x 15 mm, Polyamide 66, Colour: White	4032248390694	240 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 10/5 MC NE WS	1610000000	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190263171	480 pc(s).

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Accessories

Custom printing

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 MC SDR	1609810000	Terminal markers, MultiCard, 5 x 5 mm, Polyamide 66, Colour: To customer specification	4008190456597	200 pc(s).

for TS 15 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 15	7920340000	Accessories, End bracket	4032248238910	20 pc(s).
EW 15	0382860000	Accessories, End bracket	4008190187804	50 pc(s).
EW 15/2	1071900000	Accessories, End bracket	4008190462949	50 pc(s).
EWK AKA 2.5	0348660000	Accessories, End bracket	4008190134419	50 pc(s).

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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 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 MC-10 NE WS	1609801044	Terminal markers, MultiCard, 5 x 5 mm, Polyamide 66, Colour: White	4008190397111	1,000 pc(s).

ZAP/ZDUB

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 ZDUB OR	1704770000	Z-series, End plate	4008190948429	50 pc(s).
ZAP ZDUB	1704750000	Z-series, End plate	4008190948405	50 pc(s).
ZAP ZDUB BL	1704760000	Z-series, End plate	4008190948412	50 pc(s).

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