

Z terminal with tension spring connection ZDU 4/3AN

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

Order No.	7904180000
Type	ZDU 4/3AN
Version	Z terminal with tension spring connection, Feed-through terminal, Rated cross-section: 4 mm ² , Tension clamp connection, Wemid, Dark Beige, Direct mounting
GTIN (EAN)	4008190575953
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Length	83.5 mm	Width	6.1 mm
Height	43 mm	Height of lowest version	43.5 mm
Net weight	17.13 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)	KEMA00ATEX2 107U	ATEX certificate	KEMA00ATEX2 107U_d.pdf
ATEX certificate	KEMA00ATEX2 107U_e.pdf	IEC Ex certificate	IECExULD05.0009U_e.pdf
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA ratings data

Certificate No. (CSA)	200039-1 152892	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Current size B (CSA)	35 A	Current size C (CSA)	35 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	10 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.	4 mm ²
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Technical data**Clampable wires (rated connection)**

Type of connection	Tension clamp connection	Stripping length	12 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	3	Clamping range, rated connection, min.	0.13 mm ²
Clamping range, rated connection, max.	6 mm ²	Gauge to IEC 60947-1	A4
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	6 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	6 mm ²
Wire connection cross section, finely stranded, max.	6 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.	4 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.	4 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 10

Rated data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC52	Voltage size C (UR)	600 V
Current size C (UR)	33 A	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG

Material data

Insulating material	Wemid	Material	Wemid
Colour	Dark 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	1
Number of connections	3	No. of clamping points per level	3
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
UNSPSC	30-21-18-11	eClass 4.1	27-14-11-20
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20
eClass 7.0	27-14-11-20		

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Technical data**Product information**

Descriptive text technical data

When using twin ferrules, the rated voltage is 690 V.

Approvals

Approvals



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Accessories

ZTA 2



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

Order No.	Type	Version	GTIN (EAN)	Qty.
1609060000	ZTA 2 ZDU4	Test adapter, Rated control voltage:	4008190466220	25 pc(s).
1609070000	ZTA 2/ZA ZDU4	Test adapter, Rated control voltage:	4008190466237	25 pc(s).

Custom printing



The **dekafix (DEK)** marker is the universal marker for all conductor and plug-in connectors as well as for electronics modules. The system is ideal for small groups of consecutive numbers and covers a large range of ready-printed markers.
 Being mounted as strips means that they are quickly clipped on in one operation. The printing is legible with good contrast, and is available in five widths.

- Large selection of ready-to-use markers
- In strips for fast installation
- Connector markers are suitable for all Weidmüller conductor connectors
- Available as blank cards, MultiCard or as cards with standard printing

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1609830000	DEK 5/6 MC SDR	Terminal markers, MultiCard, 5 x 6 mm, Polyamide 66, Colour: To customer specification	4008190456603	200 pc(s).

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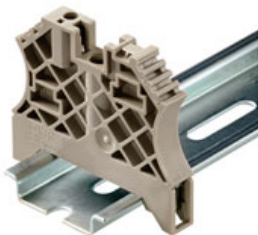
Accessories
ZAD


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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1609080000	ZAD 2/4	Z-series, Cover, Yellow, 8.944008190263317 20 pc(s). mm		

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

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

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Test plugs



The solution with Weidmüller test plugs and sockets guarantees a proper test of the installation.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
0180400000	PS 2.3 RT	Accessories, Test plug	4008190060121	20 pc(s).

ZAP/TW4/3AN



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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
7904110000	ZAP/TW 4/3AN BL	Z-series, End plate, Partition	4008190575991	20 pc(s).
		plate, Blue, 2 mm		
7904100000	ZAP/TW 4/3AN	Z-series, End plate, Partition	4008190575984	20 pc(s).
		plate, Dark Beige, 2 mm		

Blank



ZS markers - in the established **MultiCard**-format - were specially developed for the Z series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without having to dismount the markers. Fast fitting is guaranteed by the fact that the single tags are clipped on in strips. The single tags are also easy to separate.

- Hinged marker area
- Can be fitted in strips or singly
- Markers in proven multicard format

General ordering data

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

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Accessories

Polyamide + POM, Colour:
White

Screwdrivers



Always the right tools:

Weidmüller screwdrivers are the result of a consistent grip concept which takes into account both the human hand and the different requirements when working. The right blade for every screw - with four different handle sizes

The advantages are obvious:

- User-friendly: ergonomic handle arrangement for effortless working progress
- Optimised connections: compatible blade and perfect handle size for maximum torque
- Reliable: even easier operation for even quicker wiring

The result: efficient, professional working progress.

General ordering data

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

ZQV 4



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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1608960000	ZQV 4/3 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190263232	60 pc(s).
1608980000	ZQV 4/5 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190263256	20 pc(s).
1609000000	ZQV 4/7 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190263270	20 pc(s).
1609010000	ZQV 4/8 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190263287	20 pc(s).

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Accessories

1608950000 ZQV 4/2 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190263225 60 pc(s).
1609020000 ZQV 4/9 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190263294 20 pc(s).
1609030000 ZQV 4/10 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190263300 20 pc(s).
1608970000 ZQV 4/4 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190263249 60 pc(s).
1608990000 ZQV 4/6 GE	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190263263 20 pc(s).

Blank


WS markers are the perfect match for the connectors of the W series. But thanks to their system compatibility the WS tags can also be used with the I series and the Z series. The large areas for printing permit not only long character strings but also multiple lines.

WS markers are ideal for labels with long, bespoke character strings. The tried-and-tested MultiCard format means that printing can be carried out with **laser** printers, **PrintJet, plotters** or the **MC-Mobilo**.

- Can be fitted in strips or singly
- Markers in proven multicard format

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1818400000	WS 10/6 MC M NE WS	Terminal markers, MultiCard, 10 x 6 mm, Polyamide, Colour: White	4032248310876	600 pc(s).
1828450000	WS 10/6 MC NE WS	Terminal markers, MultiCard, 10 x 6 mm, Polyamide, Colour: White	4032248350513	600 pc(s).