

**Z-series
ZDU 4/3AN**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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 www.weidmueller.com



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	ZDU 4/3AN
Order No.	7904180000
Version	Z-series, 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	Version	Tension-clamp connection, for plug-in cross-connector, One end without connector

CSA ratings data

Certificate No. (CSA)	200039-1152892	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)	E60693	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-series	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 3.0	EC000897	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 When using twin ferrules, the rated voltage is 690 V.

Creation date November 21, 2013 4:04:15 PM CET

Catalogue status / We reserve the right to make technical changes.

Data sheet

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Technical data

Approvals

Approvals



ROHS

Conform

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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 12/6 MC NE WS	1610020000	Terminal markers, MultiCard, 12 x 6 mm, Polyamide 66, Colour: White	4008190444600	400 pc(s).

ZAD



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.
ZAD 2/4	1609080000	Z-series, Cover	4008190263317	20 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 5/6 MC SDR	1609830000	Terminal markers, MultiCard, 5 x 6 mm, Polyamide 66, Colour: To customer specification	4008190456603	200 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).

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Accessories

Test plugs



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

General ordering data

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

ZQV 4



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4/4 GE	1608970000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190263249	60 pc(s).
ZQV 4/10 GE	1609030000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190263300	20 pc(s).
ZQV 4/7 GE	1609000000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190263270	20 pc(s).
ZQV 4/9 GE	1609020000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190263294	20 pc(s).
ZQV 4/6 GE	1608990000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190263263	20 pc(s).
ZQV 4/5 GE	1608980000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190263256	20 pc(s).
ZQV 4/8 GE	1609010000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190263287	20 pc(s).

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Accessories

ZQV 4/2 GE 1608950000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190263225 60 pc(s).
ZQV 4/3 GE 1608960000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190263232 60 pc(s).

ZAP/TW4/3AN


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 4/3AN	7904100000	Z-series, End plate, Partition plate	4008190575984	20 pc(s).
ZAP/TW 4/3AN BL	7904110000	Z-series, End plate, Partition plate	4008190575991	20 pc(s).

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

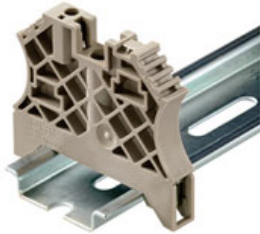
Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 2/ZA ZDU4	1609070000	Test adapter, Rated control voltage:	4008190466237	25 pc(s).
ZTA 2 ZDU4	1609060000	Test adapter, Rated control voltage:	4008190466220	25 pc(s).

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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 7032	0383530000	Accessories, End bracket	4008190027322	50 pc(s).
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).

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 10/6 MC M NE WS	1818400000	Terminal markers, MultiCard, 10 x 6 mm, Polyamide 66, Colour: White	4032248310876	600 pc(s).
WS 10/6 MC NE WS	1828450000	Terminal markers, MultiCard, 10 x 6 mm, Polyamide 66, Colour: White	4032248350513	600 pc(s).