

**Z-series**  
**ZDU 6/3AN**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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 6/3AN
Order No.	<a href="#">7907410000</a>
Version	Z-series, Feed-through terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension clamp connection, Wemid, Dark Beige
GTIN (EAN)	4032248422289
Qty.	50 pc(s).

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**Technical data**
**Dimensions and weights**

Length	90 mm	Width	8.1 mm
Height	45 mm	Height of lowest version	45.5 mm
Net weight	26.89 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)	36 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	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	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)	50 A	Current size C (CSA)	50 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm <sup>2</sup>
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**Technical data****Clampable wires (rated connection)**

Type of connection	Tension clamp connection	Stripping length	13 mm
Blade size	1.0 x 5.5 mm	Connection direction	top
Number of connections	3	Clamping range, rated connection, min.	0.22 mm <sup>2</sup>
Clamping range, rated connection, max.	10 mm <sup>2</sup>	Gauge to IEC 60947-1	A5
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Twin wire-end ferrules, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 8

**Dimensions**

TS 35 offset	39 mm
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**Rated data**

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	41 A
Current at maximum wires	57 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)	50 A	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 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		

**Data sheet****Z-series  
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**Technical data****Product information**

Descriptive text ordering data	1000 VDC rated voltage tested.
Descriptive text technical data	The ZH 0.5 - ZH 2.5 twin ferrules can be used.

**Approvals**

Approvals



ROHS Conform

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**Accessories**

**ZTA 3**



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 3 ZDU6	<a href="#">1654050000</a>	Test adapter, Rated control voltage:	4008190420406	25 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 12/6.5 MC NE WS	<a href="#">1609920000</a>	Terminal markers, MultiCard, 12 x 6.5 mm, Polyamide 66, Colour: White	4008190203511	540 pc(s).

**Data sheet**

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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	<a href="#">1610020000</a>	Terminal markers, MultiCard, 12 x 6 mm, Polyamide 66, Colour: White	4008190444600	400 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	<a href="#">0515300000</a>	Terminal markers, 27 x 6.3 mm, Polyester, PVC-free, Colour: Transparent	4008190182175	20 pc(s).

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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	Order No.	Version	GTIN (EAN)	Qty.
SDS 1.0X5.5X150	<a href="#">9008350000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	4032248056316	1 pc(s).

**Blank**



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- 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 NE WS	<a href="#">1646630000</a>	Terminal markers, MultiCard, 15 x 5 mm, Polyamide 66, Colour: White	4008190401214	480 pc(s).

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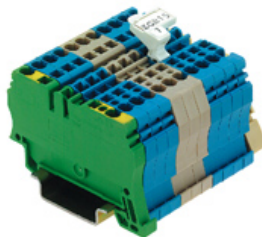
**Accessories**
**Blank**


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 10/5 MC	<a href="#">1635000000</a>	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190261948	720 pc(s).
NE WS				

**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	<a href="#">1611930000</a>	Group marker, Terminal markers, 32 x 7 mm, Polyamide 66, Colour: White	4008190002251	20 pc(s).
ZGB 30/3.5	<a href="#">1778290000</a>	Group marker, Terminal markers, 32 x 7 mm, Polyamide 66, Colour: White	4032248161065	20 pc(s).
ZGB 15	<a href="#">1636530000</a>	Group marker, Terminal markers, 15 x 7 mm, Polyamide 66, Colour: White	4008190297053	20 pc(s).



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**Accessories**

**Blank**



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- 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	<a href="#">1778270000</a>	Terminal markers,	4032248161041	600 pc(s).
MC NE WS		MultiCard, 12 x 3.5 mm, Polyamide 66, Colour: White		

**Markers**



Extensive range of accessories for the FieldPower® boxes. Cable seals, plug-in connectors, locking elements and much more.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 12/6 MC	<a href="#">1609900000</a>	Terminal markers,	4008190203467	600 pc(s).
NE WS		MultiCard, 12 x 6 mm, Polyamide 66, Colour: White		

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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 5/7.5 MC	<a href="#">1720620000</a>	Terminal markers, MultiCard, 5 x 7.5 mm, Polyamide 66, Colour: White	4008190362300	320 pc(s).

**Custom printing**



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- 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 5/8 MC	<a href="#">1856750000</a>	Terminal markers, MultiCard, 5 x 8 mm, Polyamide 66, Colour: To customer specification	4032248400867	160 pc(s).

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**Accessories**

**Group tag holders for S10**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WT 6 F.S10	<a href="#">1058960000</a>	Group marker, Terminal markers, 15.3 x 5 mm, Polyamide 66, Colour: White	4008190095468	100 pc(s).
WT 5 F.S10	<a href="#">1579330000</a>	Group marker, Terminal markers, 12.8 x 5 mm, Polyamide 66, Colour: White	4008190029609	100 pc(s).
WT 4 F.S10	<a href="#">1341060000</a>	Group marker, Terminal markers, 10.1 x 5 mm, Polyamide 66, Colour: White	4008190163648	100 pc(s).

**Blank**



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- 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 NE WS	<a href="#">1828450000</a>	Terminal markers, MultiCard, 10 x 6 mm, Polyamide 66, Colour: White	4032248350513	600 pc(s).

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**Accessories**
**ZAP/TW 6/3AN**


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/ TW6/3AN BL	<a href="#">7907380000</a>	Z-series, End plate, Partition	4008190576110	20 pc(s).
		plate		
ZAP/ TW6/3AN	<a href="#">7907370000</a>	Z-series, End plate, Partition	4008190576127	20 pc(s).
		plate		
ZAP/ TW6/3AN OR	<a href="#">7907390000</a>	Z-series, End plate, Partition	4008190576134	20 pc(s).
		plate		

**ZQV 6**


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.
ZQV 6/3 GE	<a href="#">1627860000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190200435	60 pc(s).
ZQV 6/24 GE	<a href="#">1908990000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 24	4032248535309	10 pc(s).
ZQV 6/2 GE	<a href="#">1627850000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190200428	60 pc(s).
ZQV 6/4 GE	<a href="#">1627870000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190200442	60 pc(s).
ZQV 6/32 GE	<a href="#">1733640000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 32	4008190994334	10 pc(s).

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**Accessories**

**ZAD**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAD 3/4	<a href="#">1609120000</a>	Z-series, Cover	4008190209056	20 pc(s).

**Blank**



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- 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 NE WS	<a href="#">1609860000</a>	Terminal markers, MultiCard, 12 x 5 mm, Polyamide 66, Colour: White	4008190203481	720 pc(s).

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**Accessories**
**Custom printing**


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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 8/5 MC SDR	<a href="#">1640750000</a>	Terminal markers, MultiCard, 8 x 5 mm, Polyamide 66, Colour: To customer specification	4008190456627	144 pc(s).

**Blank**


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- 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	<a href="#">1610000000</a>	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190263171	480 pc(s).

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**Accessories**

**Blank**



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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 5/8 MC	<a href="#">1856740000</a>	Terminal markers,	4032248400850	800 pc(s).
NE WS		MultiCard, 5 x 8 mm, Polyamide 66, Colour: White		