

**ZDU 4/NT DB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

Order No.	<a href="#">1778080000</a>
Type	ZDU 4/NT DB
GTIN (EAN)	4032248161027
Qty.	50 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2023-03-31
Alternative product	<a href="#">2668730000</a>

Creation date October 11, 2023 8:38:14 AM CEST

Catalogue status 30.09.2023 / We reserve the right to make technical changes.

## ZDU 4/NT DB

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## Technical data

## Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.949 inch
Depth including DIN rail	50.5 mm	Height	78.5 mm
Height (inches)	3.091 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	13.32 g

## Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50
Continuous operating temp., max.	120		

## Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

## System specifications

Version	Tension-clamp connection, With busbar connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	Yes
PE function	No	PEN function	No

## Additional technical data

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

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Gauge to IEC 60947-1	A4
Number of connections	1	Stripping length	12 mm
Type of connection	Tension-clamp connection	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	4 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, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

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**Technical data****General**

Installation advice	Direct mounting	Rail	TS 35
Standards	In accordance with IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 26		

**Rating data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	32 A
Current at maximum wires	32 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

**Classifications**

ETIM 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ECLASS 9.0	27-14-11-25	ECLASS 9.1	27-14-11-25
ECLASS 10.0	27-14-11-25	ECLASS 11.0	27-14-11-25
ECLASS 12.0	27-14-11-25	ECLASS 13.0	27250110

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual Z-INSTA</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

—|—○NT

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## Accessories

## Insulated



Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

## General ordering data

Type	ZB 4G GN/GE	Version
Order No.	<a href="#">0322160000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190014278	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4G BL	Version
Order No.	<a href="#">0322180000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190050504	yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4G SW	Version
Order No.	<a href="#">0322110000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190189310	yoke, PA, black, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K GE/GN	Version
Order No.	<a href="#">0502860000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190188795	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35K BL M6X16	Version
Order No.	<a href="#">0502680000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: 35 mm <sup>2</sup> ,
GTIN (EAN)	4008190004385	Clamping yoke, PA, blue, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 4K BL	Version
Order No.	<a href="#">0475380000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: 4 mm <sup>2</sup> ,
GTIN (EAN)	4008190010942	Clamping yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 35K GE/GN M6X16	Version
Order No.	<a href="#">0502660000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190052294	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 4K GG HENSEL	Version
Order No.	<a href="#">1824560000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4032248330973	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4/6K GE/GN	Version
Order No.	<a href="#">0565460000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190032609	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K BL	Version
Order No.	<a href="#">0502880000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190014186	yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	

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## Accessories

Type	ZB 35K SW M6X16	Version
Order No.	<a href="#">0502610000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190332587	yoke, PA, black, Feed-through (bushing)
Qty.	20 pc(s).	
Type	ZB 4/6K BL	Version
Order No.	<a href="#">0565480000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190086831	yoke, PA, blue, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4K GE/GN	Version
Order No.	<a href="#">0475360000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190188047	yoke, PA, Green/yellow, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 4K SW	Version
Order No.	<a href="#">0475310000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190008406	yoke, PA, Feed-through (bushing)
Qty.	50 pc(s).	
Type	ZB 16K SW	Version
Order No.	<a href="#">0502810000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping
GTIN (EAN)	4008190332563	yoke, PA, black, Feed-through (bushing)
Qty.	50 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

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	ZS 10/5 MC NE WS	Version
Order No.	<a href="#">1610000000</a>	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 pc(s).	

## ZDU 4/NT DB

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## Accessories

## Uninsulated



Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

## General ordering data

Type	ZB 35/M6X16	Version
Order No.	<a href="#">0266500000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)
GTIN (EAN)	4008190102814	
Qty.	20 pc(s).	
Type	ZB 4/6	Version
Order No.	<a href="#">0556700000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)
GTIN (EAN)	4008190188412	
Qty.	50 pc(s).	
Type	ZB 16 ZKSC	Version
Order No.	<a href="#">0316600000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)
GTIN (EAN)	4008190145989	
Qty.	50 pc(s).	
Type	ZB 4	Version
Order No.	<a href="#">0316500000</a>	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing)
GTIN (EAN)	4008190061999	
Qty.	50 pc(s).	

## ZDU 4/NT DB

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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 wide range of ready-printed markers.

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

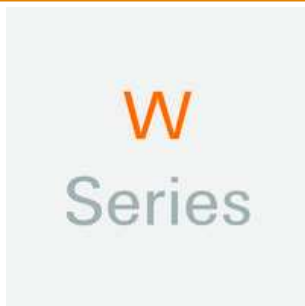
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	DEK 5/5 MC SDR	Version
Order No.	<a href="#">1609810000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 pc(s).	

## W-Series



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	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

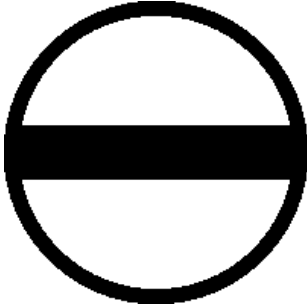
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**Accessories**

**Slotted screwdriver**



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

**General ordering data**

Type	SDIS SLIM 0.6X3.5X100	Version
Order No.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118896350	
Qty.	1 pc(s).	

**Marker holder**



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

**General ordering data**

Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 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 PrintJet CONNECT oder/or Plotter is possible.

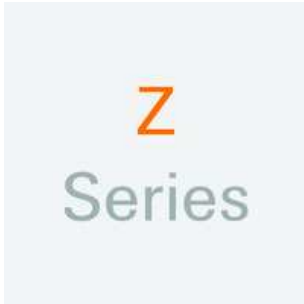
- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	WS 15/5 MC NE WS	Version
Order No.	<a href="#">1609880000</a>	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 pc(s).	

**Z-Series**



**Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

Type	ZHP ZDU4/NT SO	Version
Order No.	<a href="#">1803890000</a>	Z-series, Fixing plate
GTIN (EAN)	4032248266852	
Qty.	20 pc(s).	

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# Accessories

## 4 mm<sup>2</sup>

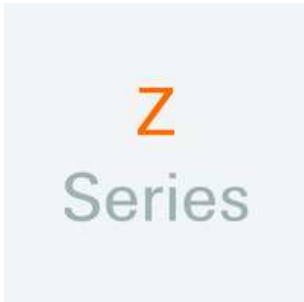


End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

### General ordering data

Type	ZAP ZDU4/NT	Version
Order No.	<a href="#">1757970000</a>	Z-series, End plate
GTIN (EAN)	4008190121501	
Qty.	20 pc(s).	

## Z-Series



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	ZEW 35/2	Version
Order No.	<a href="#">8630740000</a>	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	
Type	ZEW 35	Version
Order No.	<a href="#">9540000000</a>	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

## ZDU 4/NT DB

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## Accessories

## SAK-Series



SAK  
Series

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## General ordering data

Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	
Type	EW 35	Version
Order No.	<a href="#">0383560000</a>	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	
Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	

## Copper



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

## General ordering data

Type	SSCH 10X3X1000 CU/SN	Version
Order No.	<a href="#">0348900000</a>	Accessories, Busbar, Copper
GTIN (EAN)	4008190024802	
Qty.	1 m	