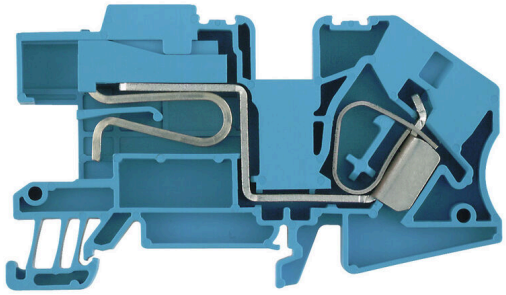
Data sheet

ZDU 10/NT

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

Version	Z-series, Installation multi-tier terminal, Neutral conductor modular terminal, Rated cross-section: 10 mm², Tension-clamp connection, blue, Direct mounting
Order No.	1762420000
Type	ZDU 10/NT
GTIN (EAN)	4032248068302
Qty.	25 items
Delivery status	Discontinued
Available until	2023-03-31T00:00:00+02:00
Alternative product	AITB 16 BB NDT BL

Data sheet

ZDU 10/NT

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.9488 inch
Depth including DIN rail	50 mm	Height	86.5 mm
Height (inches)	3.4055 inch	Width	10 mm
Width (inches)	0.3937 inch	Net weight	32.92 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50	Continuous operating temp., max.	120

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, With busbar connection, for plug-in cross-connector, 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
Mounting rail	TS 35	N-function	Yes
PE function	No		

Additional technical data

Open sides	right	Installation advice	Direct mounting
Explosion-tested version	No	Type of mounting	Snap-on

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6	Wire connection cross section AWG, max.	AWG 6
Stripping length	18 mm	Type of connection	Tension-clamp connection
Number of connections	1	Clamping range, max.	16 mm²
Clamping range, min.	1.5 mm²	Blade size	1.0 x 5.5 mm

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Technical data

Wire connection cross section AWG, min.	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	1.5 mm²	Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	1.5 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	1.5 mm²		

General

Wire connection cross section AWG, max.	AWG 6	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 16	Standards	In accordance with IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	10 mm²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	57 A
Current at maximum wires	57 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

Classifications

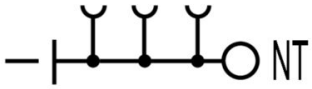
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ETIM 10.0	EC001329	ECLASS 14.0	27-25-01-10
ECLASS 15.0	27-25-01-10		

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Drawings



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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 10/2	Version
Order No.	1739680000	Accessories, Cross-connector, 57 A
GTIN (EAN)	4008190957131	
Qty.	25 ST	

End plates and partition plates

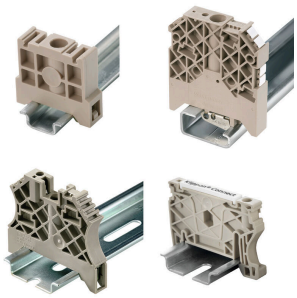


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	ZAP ZDU10/16S	Version
Order No.	1739660000	Z-series, End plate
GTIN (EAN)	4008190957117	
Qty.	20 ST	

End bracket



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	EW 35	Version
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

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Accessories

Type	EW 35 GR 7032	Version
Order No.	0383530000	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 ST	
Type	EW 35/SCHA/M3	Version
Order No.	0258660000	End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C
GTIN (EAN)	4008190033477	
Qty.	20 ST	
Type	WEW 35/1	Version
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	
Type	WEW 35/2	Version
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	
Type	ZEW 35	Version
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	
Type	ZEW 35/2	Version
Order No.	8630740000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4032248348916	
Qty.	20 ST	

Busbars



With our bus bars in various materials and the associated accessories, you can connect cables in the smallest installation space. Depending on the application, potentials can be collected, distributed or dissipated.

General ordering data

Type	SSCH 10X3X1000 CU/SN	Version
Order No.	0348900000	Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper
GTIN (EAN)	4008190024802	
Qty.	25 M	

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Accessories

Busbar connections



Weidmueller offers tapping terminals for various types of bus bar systems. Depending on the application, a distinction can be made here between insulated and non-insulated tap-off terminals.

General ordering data

Type	ZB 4	Version
Order No.	0316500000	Terminal (busbar connection)
GTIN (EAN)	4008190061999	
Qty.	50 ST	
Type	ZB 4K BL	Version
Order No.	0475380000	Terminal (busbar connection)
GTIN (EAN)	4008190010942	
Qty.	50 ST	
Type	ZB 4K GE/GN	Version
Order No.	0475360000	Terminal (busbar connection)
GTIN (EAN)	4008190188047	
Qty.	50 ST	
Type	ZB 4K GG HENSEL	Version
Order No.	1824560000	Terminal (busbar connection)
GTIN (EAN)	4032248330973	
Qty.	50 ST	
Type	ZB 4K SW	Version
Order No.	0475310000	Terminal (busbar connection)
GTIN (EAN)	4008190008406	
Qty.	50 ST	
Type	ZB 4G BL	Version
Order No.	0322180000	Terminal (busbar connection)
GTIN (EAN)	4008190050504	
Qty.	50 ST	
Type	ZB 4G GN/GE	Version
Order No.	0322160000	Terminal (busbar connection)
GTIN (EAN)	4008190014278	
Qty.	50 ST	
Type	ZB 4G SW	Version
Order No.	0322110000	Terminal (busbar connection)
GTIN (EAN)	4008190189310	
Qty.	50 ST	
Type	ZB 4/6	Version
Order No.	0556700000	Terminal (busbar connection)
GTIN (EAN)	4008190188412	
Qty.	50 ST	
Type	ZB 4/6K BL	Version
Order No.	0565480000	Terminal (busbar connection)
GTIN (EAN)	4008190086831	
Qty.	50 ST	

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Accessories

Type	ZB 4/6K GE/GN	Version
Order No.	0565460000	Terminal (busbar connection)
GTIN (EAN)	4008190032609	
Qty.	50 ST	
Type	ZB 16K BL	Version
Order No.	0502880000	Terminal (busbar connection)
GTIN (EAN)	4008190014186	
Qty.	50 ST	
Type	ZB 16K GE/GN	Version
Order No.	0502860000	Terminal (busbar connection)
GTIN (EAN)	4008190188795	
Qty.	50 ST	
Type	ZB 16K SW	Version
Order No.	0502810000	Terminal (busbar connection)
GTIN (EAN)	4008190332563	
Qty.	50 ST	
Type	ZB 16 ZKSC	Version
Order No.	0316600000	Terminal (busbar connection)
GTIN (EAN)	4008190145989	
Qty.	50 ST	
Type	ZB 35/M6X16	Version
Order No.	0266500000	Terminal (busbar connection)
GTIN (EAN)	4008190102814	
Qty.	20 ST	
Type	ZB 35K BL M6X16	Version
Order No.	0502680000	Terminal (busbar connection)
GTIN (EAN)	4008190004385	
Qty.	20 ST	
Type	ZB 35K GE/GN M6X16	Version
Order No.	0502660000	Terminal (busbar connection)
GTIN (EAN)	4008190052294	
Qty.	20 ST	
Type	ZB 35K SW M6X16	Version
Order No.	0502610000	Terminal (busbar connection)
GTIN (EAN)	4008190332587	
Qty.	20 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

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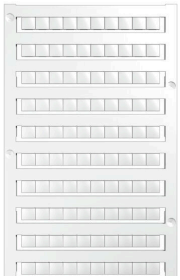
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Accessories

General ordering data

Type	ZHP ZDU4/NT SO	Version
Order No.	1803890000	Z-series, Fixing plate
GTIN (EAN)	4032248266852	
Qty.	20 ST	

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 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 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1000 ST	
Type	WS 12/3.5 MC NE WS	Version
Order No.	1778270000	WS, Terminal marker, 12 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161041	Weidmueller, Allen-Bradley, white
Qty.	600 ST	
Type	WS 12/5 MC NE WS	Version
Order No.	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203481	Allen-Bradley, white
Qty.	720 ST	
Type	ZS 10/5 MC NE WS	Version
Order No.	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 ST	

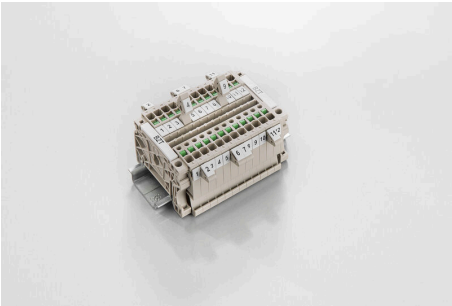
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Accessories

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 snaped 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.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

DEK 5/6



WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 ST	

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Accessories

WS 12/3.5



WS/ DEK
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Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/3.5 MM WS	Version
Order No.	2007180000	WS, Terminal marker, 12 x 3.5 mm, Weidmueller, white
GTIN (EAN)	4050118392203	
Qty.	1000 ST	

WS 12/5



WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/5 MM WS	Version
Order No.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 ST	

ZDU 10/NT

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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	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade
GTIN (EAN)	4050118895605	thickness (A): 1 mm
Qty.	1 ST	