

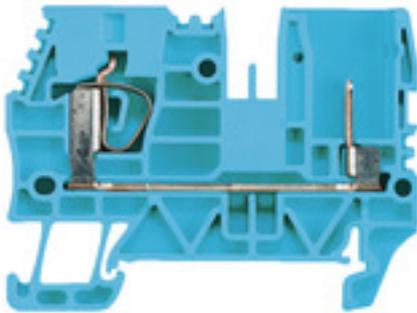
ZT 4/2AN/1 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

Version	Z-series, Feed-through terminal, Rated cross-section: 4 mm ² , Tension-clamp connection, Plug-in connection
Order No.	1312830000
Type	ZT 4/2AN/1 BL
GTIN (EAN)	4050118118322
Qty.	50 pc(s).

Creation date October 2, 2024 5:21:09 PM CEST

Catalogue status 28.09.2024 / We reserve the right to make technical changes.

ZT 4/2AN/1 BL

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Technical data

Dimensions and weights

Depth	43 mm	Depth (inches)	1.693 inch
Depth including DIN rail	43.5 mm	Height	58 mm
Height (inches)	2.283 inch	Width	6.5 mm
Width (inches)	0.256 inch	Net weight	11.06 g

Temperatures

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

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

Version	2 tension-clamp connections - 1 plug-in connection, pluggable	End cover plate required	Yes
Number of levels	1	Number of clamping points per level	1
Number of potentials per tier	1	Levels cross-connected internally	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection direction	top
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Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 mm ²	Connection direction	top
Gauge to IEC 60947-1	A3	Number of connections	1
Stripping length	12 mm	Type of connection	Tension-clamp connection, Plug-in connection
Type of connection 2	Plug-in connection	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 26	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, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	6 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

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Technical data

General

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 ²	Max. voltage of clamp support & plug-gable system	800 V
Rated DC voltage	800 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	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

Classifications

ETIM 7.0	EC000897	ETIM 8.0	EC000897
ETIM 9.0	EC000897	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-17
ECLASS 14.0	27-25-01-17		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

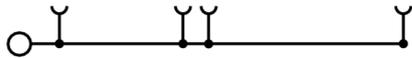
Data sheet

ZT 4/2AN/1 BL

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Drawings



ZT 4/2AN/1 BL

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Accessories

Strain reliefs



The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.

General ordering data

Type	ZZE ZP4	Version
Order No.	1855260000	Z-series, Strain relief, Direct mounting
GTIN (EAN)	4032248396498	
Qty.	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 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 10/6 M MC NE WS	Version
Order No.	1818400000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248310876	Allen-Bradley, white
Qty.	600 pc(s).	

Type	WS 10/6 MC NE WS	Version
Order No.	1828450000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248350513	Allen-Bradley, white
Qty.	600 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Custom printing



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General ordering data

Type	WS 12/6.5 MC SDR	Version
Order No.	1609930000	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456665	Weidmueller, Allen-Bradley, To customer specification
Qty.	108 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 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

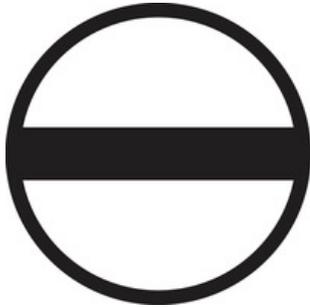
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Accessories

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.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 pc(s).	

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.	1,000 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Plus



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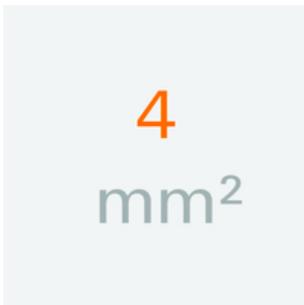
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 5/6.5 PLUS MC NE GE	Version
Order No.	1364020000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4050118166057	Weidmueller, yellow
Qty.	900 pc(s).	
Type	DEK 5/6.5 PLUS MC NE WS	Version
Order No.	1046340000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4032248782048	Weidmueller, white
Qty.	900 pc(s).	

4 mm²



The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 4/2 GE	Version
Order No.	1608950000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263225	
Qty.	60 pc(s).	

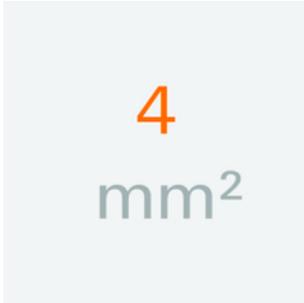
ZT 4/2AN/1 BL

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Accessories

4 mm²



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/TW ZT4/2AN OR	Version
Order No.	1855230000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248396511	
Qty.	50 pc(s).	
Type	ZAP/TW ZT4/2AN	Version
Order No.	1855220000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248396528	
Qty.	50 pc(s).	

WS 12/6.5



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 12/6.5 MM WS	Version
Order No.	2619930000	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white
GTIN (EAN)	4050118626155	
Qty.	600 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Blank



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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 5/6.5 MC NE WS	Version	
Order No.	1609840000		Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429		Weidmueller, white
Qty.	900 pc(s).		

ZT 4/2AN/1 BL

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Accessories

DEK 5/6



WS/ DEK

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- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
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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 pc(s).		

ZT 4/2AN/1 BL

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Accessories

Custom printing



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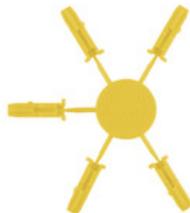
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General ordering data

Type	DEK 5/6.5 PLUS MC SDR	Version
Order No.	1046360000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4032248782062	Weidmueller, To customer specification
Qty.	180 pc(s).	
Type	DEK 5/6.5 MC SDR	Version
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456610	Weidmueller, To customer specification
Qty.	180 pc(s).	

Coding elements



Through the use of coding pins, individual coding options ensure trouble-free plug-in connection.

General ordering data

Type	KOSF ZT4	Version
Order No.	1856860000	Z-series, Coding element, Direct mounting
GTIN (EAN)	4032248400744	
Qty.	50 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Locking elements



The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the base terminal and ensures maximum safety.

General ordering data

Type	ZVR ZP4	Version
Order No.	1855250000	Z-series, Locking clips, Direct mounting
GTIN (EAN)	4032248396481	
Qty.	25 pc(s).	

Blank



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General ordering data

Type	WS 12/6.5 MC NE GE	Version
Order No.	1773561687	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4032248142033	Weidmueller, Allen-Bradley, yellow
Qty.	540 pc(s).	
Type	WS 12/6.5 MC NE RT	Version
Order No.	1773561686	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4032248142026	Weidmueller, Allen-Bradley, red
Qty.	540 pc(s).	
Type	WS 12/6.5 MC NE WS	Version
Order No.	1609920000	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Type	WS 12/6.5 MC NE BL	Version
Order No.	1773561693	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4032248142095	Weidmueller, Allen-Bradley, blue
Qty.	540 pc(s).	

4 mm²



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Type	ZP 4/1AN/10	Version
Order No.	1855070000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396146	
Qty.	10 pc(s).	
Type	ZP 4/1AN/11	Version
Order No.	1855080000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396153	
Qty.	20 pc(s).	
Type	ZP 4/1AN/9	Version
Order No.	1855060000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396139	
Qty.	10 pc(s).	
Type	ZP 4/1AN/14	Version
Order No.	1855110000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396184	
Qty.	10 pc(s).	
Type	ZP 4/1AN/6	Version
Order No.	1855030000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396108	
Qty.	20 pc(s).	
Type	ZP 4/1AN/12	Version
Order No.	1855090000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396160	
Qty.	10 pc(s).	
Type	ZP 4/1AN/7	Version
Order No.	1855040000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396115	
Qty.	20 pc(s).	
Type	ZP 4/1AN/1	Version
Order No.	1848340000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248402908	
Qty.	50 pc(s).	

ZT 4/2AN/1 BL

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Accessories

Type	ZP 4/1AN/5	Version
Order No.	1855020000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396092	
Qty.	20 pc(s).	
Type	ZP 4/1AN/13	Version
Order No.	1855100000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396177	
Qty.	10 pc(s).	
Type	ZP 4/1AN/8	Version
Order No.	1855050000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396122	
Qty.	20 pc(s).	
Type	ZP 4/1AN/2	Version
Order No.	1854990000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396061	
Qty.	25 pc(s).	
Type	ZP 4/1AN/3	Version
Order No.	1855000000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396078	
Qty.	25 pc(s).	
Type	ZP 4/1AN/4	Version
Order No.	1855010000	Z-series, Plug-in connector, beige, Direct mounting
GTIN (EAN)	4032248396085	
Qty.	25 pc(s).	
Type	ZP 4/1AN/1 GN	Version
Order No.	1854980000	Z-series, Plug-in connector, green, Direct mounting
GTIN (EAN)	4032248396054	
Qty.	50 pc(s).	