ZPE 4-2/3AN

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Z-series, PE terminal, Rated cross-section: 4 mm², Tension-clamp connection, green
Order No.	1770390000
Type	ZPE 4-2/3AN
GTIN (EAN)	4032248142989
Qty.	50 items

ZPE 4-2/3AN

Technical data

Approvals

Approvals	

ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	61.5 mm
Height (inches)	2.4213 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	14.96 g

Temperatures

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

Environmental Product Compliance

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

Material data

Basic material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Wire cross section max. (ATEX)	6 mm²	Wire cross section max. (IECEX)	6 mm²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Tension-clamp connection, With PE connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Levels cross-connected internally	No
PE connection	Yes	Mounting rail	TS 35
PE function	Yes	PEN function	No

Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

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ZPE 4-2/3AN

Technical data

CSA rating data

Wire cross section max. (CSA)	10 AWG	Certificate No. (CSA)	200039-1152892
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 10
Connection direction	Inclined / angled
Stripping length	10 mm
Type of connection	Tension-clamp connection
Number of connections	3
Clamping range, max.	6 mm²
Clamping range, min.	0.13 mm²
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²
Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.13 mm²
Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.13 mm²
Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0.13 mm²
Connection cross-section, finely stranded, min.	0.13 mm²

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²

Technical data

	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	4 mm²
Tube length for twin wire-end ferrule	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	4 mm²

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-2	Mounting rail	TS 35

Rating data

Rated cross-section	4 mm²	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

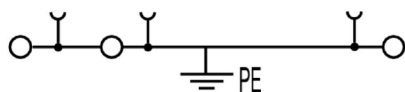## UL rating data

Conductor size Factory wiring max. (UR)	10 AWG	Conductor size Factory wiring min. (UR)	26 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	26 AWG
Conductor size Field wiring max. (UR)	10 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41
ECLASS 13.0	27-25-01-03	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

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Drawings

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 4/2 GE	Version	
Order No.	1608950000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263225		
Qty.	60 ST		
Type	ZQV 4/3 GE	Version	
Order No.	1608960000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263232		
Qty.	60 ST		
Type	ZQV 4/4 GE	Version	
Order No.	1608970000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263249		
Qty.	60 ST		
Type	ZQV 4/5 GE	Version	
Order No.	1608980000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263256		
Qty.	20 ST		
Type	ZQV 4/6 GE	Version	
Order No.	1608990000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263263		
Qty.	20 ST		
Type	ZQV 4/7 GE	Version	
Order No.	1609000000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263270		
Qty.	20 ST		
Type	ZQV 4/8 GE	Version	
Order No.	1609010000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263287		
Qty.	20 ST		
Type	ZQV 4/9 GE	Version	
Order No.	1609020000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263294		
Qty.	20 ST		
Type	ZQV 4/10 GE	Version	
Order No.	1609030000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263300		
Qty.	20 ST		
Type	ZQV 4/20 GE	Version	
Order No.	1909010000	Z-series, Cross-connector, For the terminals, Number of poles: 20	
GTIN (EAN)	4032248535637		
Qty.	20 ST		

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Accessories
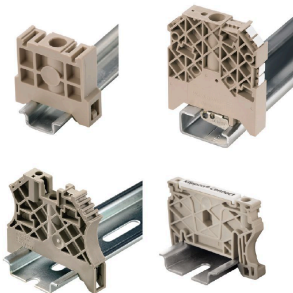
End plates and partition plates

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 ZDU4-2	Version	
Order No.	1770400000	Z-series, End plate	
GTIN (EAN)	4032248135233		
Qty.	50 ST		
Type	ZAP ZDU4-2 BL	Version	
Order No.	1770880000	Z-series, End plate	
GTIN (EAN)	4032248121328		
Qty.	50 ST		
Type	ZAP ZDU4-2 OR	Version	
Order No.	1770890000	Z-series, End plate	
GTIN (EAN)	4032248135226		
Qty.	50 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	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		

Accessories

Testadapter and testsockets

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

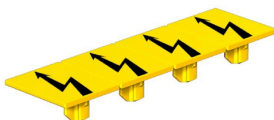| Type	ZTA 6/ZA	Version	
Order No.	1780660000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248180189		
Qty.	25 ST		

Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

General ordering data

Type	ZRH 4/1 WS	Version	
Order No.	1636640000	Z-series, Reducing sleeve	
GTIN (EAN)	4008190272937		
Qty.	1000 ST		

Warning cover

Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	ZAD 1/4	Version	
Order No.	1609110000	Z-series, Cover	
GTIN (EAN)	4008190190910		
Qty.	20 ST		

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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 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		

STR transparent strips

General ordering data

Type	STR 7 F.SCHT 7	Version	
Order No.	0515300000	Terminal markers, Protective cap, 27 x 6.3 mm, Transparent	
GTIN (EAN)	4008190182175		
Qty.	20 ST		

Weidmüller

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 12/6 MC NE WS	Version	
Order No.	1609900000	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,	
GTIN (EAN)	4008190203467	Allen-Bradley, white	
Qty.	600 ST		
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 ST		
Type	ZS 12/6 MC NE WS	Version	
Order No.	1610020000	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,	
GTIN (EAN)	4008190444600	Allen-Bradley, white	
Qty.	400 ST		

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 terminal 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 terminal markers or the inlay tag ESO 7.
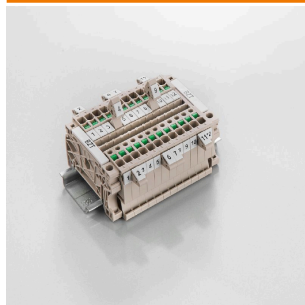Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	ZGB 30	Version	
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190002251	Weidmueller, white	
Qty.	20 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 12/6

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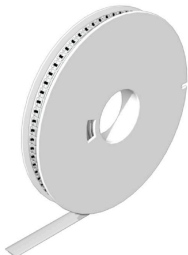Your benefits with MultiMark
• Firm hold and durable printing
• Continuous strips save installation time
• Easy mounting thanks to an innovative composite material
• Large label field for optimal legibility
• High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/6 MM WS	Version	
Order No.	2007200000	WS, Terminal marker, 12 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118391886		
Qty.	600 ST		

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 ST		

Weidmüller 3E

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 ST	