

**ZPE 4 S****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	Multi level installation terminal block, Tension-clamp connection, Green/yellow, 4 mm <sup>2</sup> , 400 V, Number of connections: 2, Number of levels: 1
Order No.	<a href="#">1808340000</a>
Type	ZPE 4 S
GTIN (EAN)	4032248280575
Qty.	50 items
Delivery status	Discontinued
Available until	2023-03-31T00:00:00+02:00
Alternative product	<a href="#">AITB 6 BB 2C PE</a>

## ZPE 4 S

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	65.5 mm
Height (inches)	2.5787 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	15.17 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		

## 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	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

## Additional technical data

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

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 4 mm<sup>2</sup>

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 10

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## Technical data

Connection direction	Inclined / angled		
Stripping length	10 mm		
Type of connection	Tension-clamp connection		
Number of connections	2		
Clamping range, max.	6 mm <sup>2</sup>		
Clamping range, min.	0.5 mm <sup>2</sup>		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 20		
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, 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, max.	4 mm <sup>2</sup>		
Wire connection cross section, finely stranded, 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>		
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 mm <sup>2</sup>
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
Tube length		min.	8 mm
	max.	12 mm	
Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>	
	Tube length	min.	10 mm
max.		12 mm	
Cross-section for conductor connection	nominal	4 mm <sup>2</sup>	
	Tube length	min.	8 mm
max.		12 mm	
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
		Tube length	min.
	max.		12 mm
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>
Tube length for wire-end ferrule without plastic collar DIN 46228/1		Cross-section for conductor connection	nominal
	Tube length		nominal
		Cross-section for conductor connection	nominal
	Tube length		nominal
Cross-section for conductor connection		nominal	1 mm <sup>2</sup>
	Tube length	nominal	12 mm
Cross-section for conductor connection		nominal	1.5 mm <sup>2</sup>

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## Technical data

Tube length	nominal	12 mm
Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
Tube length	nominal	12 mm
Cross-section for conductor connection	nominal	4 mm <sup>2</sup>

### General

Wire connection cross section AWG, max.	AWG 10	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 20	Standards	IEC 60947-7-2
Mounting rail	TS 35		

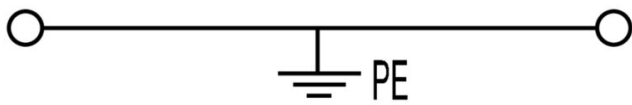
### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	400 V
Rated voltage to adjoining terminal	400 V	Rated DC voltage	400 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	6 kV	Rated impulse withstand voltage to adjacent terminal	6 kV
Power loss in accordance with IEC 60947-7-x	1.02 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		

**Drawings**



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## Accessories

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### 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.	<a href="#">1608950000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263225	
Qty.	60 ST	
Type	ZQV 4/3 GE	Version
Order No.	<a href="#">1608960000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263232	
Qty.	60 ST	
Type	ZQV 4/4 GE	Version
Order No.	<a href="#">1608970000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263249	
Qty.	60 ST	
Type	ZQV 4/5 GE	Version
Order No.	<a href="#">1608980000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263256	
Qty.	20 ST	
Type	ZQV 4/6 GE	Version
Order No.	<a href="#">1608990000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263263	
Qty.	20 ST	
Type	ZQV 4/7 GE	Version
Order No.	<a href="#">1609000000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263270	
Qty.	20 ST	
Type	ZQV 4/8 GE	Version
Order No.	<a href="#">1609010000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263287	
Qty.	20 ST	
Type	ZQV 4/9 GE	Version
Order No.	<a href="#">1609020000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263294	
Qty.	20 ST	
Type	ZQV 4/10 GE	Version
Order No.	<a href="#">1609030000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263300	
Qty.	20 ST	
Type	ZQV 4/20 GE	Version
Order No.	<a href="#">1909010000</a>	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



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 ZDU 4 S	Version
Order No.	<a href="#">1808380000</a>	Z-series, End plate
GTIN (EAN)	4032248280711	
Qty.	20 ST	
Type	ZAP ZDU 4 S BL	Version
Order No.	<a href="#">1808390000</a>	Z-series, End plate
GTIN (EAN)	4032248280728	
Qty.	20 ST	
Type	ZHP S	Version
Order No.	<a href="#">1808290000</a>	Z-series, Fixing plate
GTIN (EAN)	4032248280520	
Qty.	20 ST	
Type	ZHP S SO	Version
Order No.	<a href="#">1808280000</a>	Z-series, Fixing plate
GTIN (EAN)	4032248280513	
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.	<a href="#">0383560000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	
Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 ST	

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## Accessories

Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	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.	<a href="#">1059000000</a>	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.	<a href="#">1061200000</a>	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.	<a href="#">9540000000</a>	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.	<a href="#">8630740000</a>	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.	<a href="#">0348900000</a>	Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper
GTIN (EAN)	4008190024802	
Qty.	25 M	

## 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.

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## Accessories

## General ordering data

Type	ZB 16K BL	Version
Order No.	<a href="#">0502880000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190014186	
Qty.	50 ST	
Type	ZB 16K GE/GN	Version
Order No.	<a href="#">0502860000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190188795	
Qty.	50 ST	
Type	ZB 16K SW	Version
Order No.	<a href="#">0502810000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190332563	
Qty.	50 ST	
Type	ZB 16 ZKSC	Version
Order No.	<a href="#">0316600000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190145989	
Qty.	50 ST	
Type	ZB 35K BL M6X16	Version
Order No.	<a href="#">0502680000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190004385	
Qty.	20 ST	
Type	ZB 35K GE/GN M6X16	Version
Order No.	<a href="#">0502660000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190052294	
Qty.	20 ST	
Type	ZB 35K SW M6X16	Version
Order No.	<a href="#">0502610000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190332587	
Qty.	20 ST	
Type	ZB 35/M6X16	Version
Order No.	<a href="#">0266500000</a>	Terminal (busbar connection)
GTIN (EAN)	4008190102814	
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.

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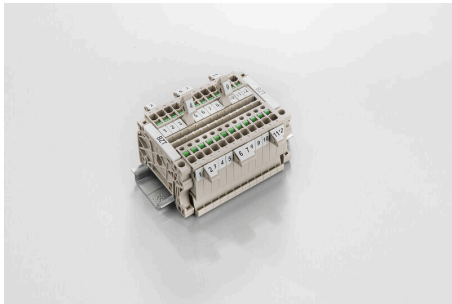
## Accessories

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## General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	<a href="#">1609820000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1000 ST	
Type	WS 10/6 M MC NE WS	Version
Order No.	<a href="#">1818400000</a>	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248310876	Allen-Bradley, white
Qty.	600 ST	
Type	WS 10/6 MC NE WS	Version
Order No.	<a href="#">1828450000</a>	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248350513	Allen-Bradley, white
Qty.	600 ST	
Type	ZS 12/6 MC NE WS	Version
Order No.	<a href="#">1610020000</a>	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190444600	Allen-Bradley, white
Qty.	400 ST	

## 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 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

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## Accessories

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### 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.	<a href="#">2007120000</a>		Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104		
Qty.	600 ST		

### 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 ST		