ZPE 16S

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, PE terminal, Rated cross-section: 16 mm², Tension-clamp connection, green, Direct mounting
Order No.	1739610000
Type	ZPE 16S
GTIN (EAN)	4008190957063
Qty.	25 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-03-31
Alternative product	2668760000

Creation date March 12, 2024 12:16:31 PM CET

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Depth including DIN rail	48.5 mm	Height	95 mm
Height (inches)	3.74 inch	Width	12 mm
Width (inches)	0.472 inch	Net weight	46.76 g

Temperatures

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

Material data

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
Rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1152892	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	14 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm²

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 mm²
Clamping range, min.	1.5 mm²	Connection cross-section, stranded, max.	25 mm²
Connection cross-section, stranded, min.	16 mm²	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A7	Number of connections	2
Stripping length	18 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, finely stranded, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1.5 mm²

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 4
Wire connection cross section AWG, min.	AWG 14		

Rating data

Rated cross-section	16 mm²	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	0.42 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	2.43 W	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	6 AWG
Conductor size Factory wiring min. (cURus)	14 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	14 AWG		

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	27-25-01-10

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Technical data

Approvals

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

Downloads

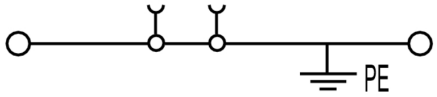
Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
Product Change Notification	PCN_ZPE_Q3_2020 PCN - EN PCN - DE
User Documentation	StorageConditionsTerminalBlocks User Manual Z-INSTA
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



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Accessories

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 15/5 MC NE WS	Version
Order No.	1646630000	ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190401214	Allen-Bradley, white
Qty.	480 pc(s).	

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.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 pc(s).	

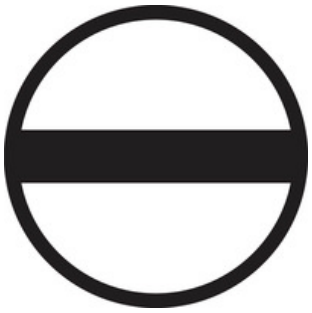
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Accessories

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 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	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	
Type	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	

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Accessories

10/16 mm²



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General ordering data

Type	ZAP ZDU10/16S	Version
Order No.	1739660000	Z-series, End plate
GTIN (EAN)	4008190957117	
Qty.	20 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 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

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Accessories

16 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 16/2	Version
Order No.	1739690000	Accessories, Cross-connector, 76 A
GTIN (EAN)	4008190957148	
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 10/5 M MC NE WS	Version
Order No.	1792000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 pc(s).	

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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 pc(s).	

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

SAK-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	EW 35/SCHA/M3	Version
Order No.	0258660000	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	

Type	EW 35 GR 7032	Version
Order No.	0383530000	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	

Type	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

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Z-Series



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General ordering data

Type	ZHP Z/W BL	Version
Order No.	1745180000	Z-series, Intermediate plate
GTIN (EAN)	4008190037123	
Qty.	20 pc(s).	