

**W-Series**  
**WPE 35**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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 www.weidmueller.com

**Product image**

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	WPE 35
Order No.	<a href="#">1010500000</a>
Version	PE terminal, Screw connection, 35 mm <sup>2</sup> , 4200 A (35 mm <sup>2</sup> ), Green/yellow
GTIN (EAN)	4008190112806
Qty.	25 pc(s).

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**Technical data****Dimensions and weights**

Width	16 mm	Width (inches)	0.63 inch
Height	56 mm	Height (inches)	2.205 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Weight	82.84 g
Net weight	80.2 g		

**Temperatures**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

**Material data**

Material	Wemid	Colour code	Green/yellow
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Wire cross section max. (ATEX)	35 mm <sup>2</sup>	Wire cross section max. (IECEX)	35 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

**System specifications**

Version	Screw connection, With PE connection, in closed state	Tightening torque (mounting screw)	1.2...2.4 Nm
Tightening torque (clamping screw for copper conductors)	5 Nm	End cover plate required	No
Number of potentials	1	Number of levels	1
No. 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	Yes	Installation advice	when screwed in
Interlock	for screw fixing	Number of similar terminals	1
Open sides	closed	Type of mounting	when screwed in

**CSA rating data**

Certificate No. (CSA)	200039-1057876	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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**Technical data**
**Conductors for clamping (rated connection)**

Blade size	6.5 x 1.2 mm	Clamping range, max.	35 mm <sup>2</sup>
Clamping range, min.	2.5 mm <sup>2</sup>	Clamping screw	M 6
Connection cross-section, stranded, max.	35 mm <sup>2</sup>	Connection cross-section, stranded, min.	2.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, min.	5 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>

**Dimensions**

TS 35 offset	32 mm
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**PE rating data**

Rated short-time current	4200 A (35 mm <sup>2</sup> )	Centre screw on PE terminals	M 4
Tightening torque range for fixing screw	1.2...2.4 Nm	PEN function	Yes

**Rating data**

Rated cross-section	35 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	12 AWG		

**Classifications**

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000901
UNSPSC	30-21-18-11	eClass 5.1	27-14-03-05
eClass 6.2	27-14-03-05	eClass 7.1	27-14-03-05
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

**Product information**

Instructions for accessories	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).
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Creation date March 1, 2019 4:51:04 PM CET

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">DE_PT1002_20160414_256_ISSUE01.pdf</a> <a href="#">ATEX Certificate</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">NTI WDU/WPE 35.pdf</a>

**Safety note**

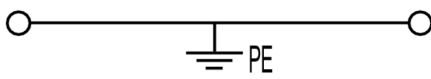
Safety notice	<a href="#">Safety Information</a>
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**Drawings**



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# Accessories

## Slotted screwdriver

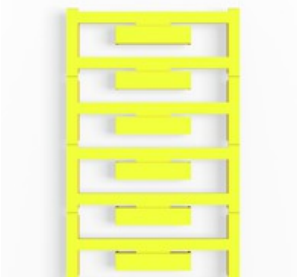
Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 1.2X6.5X150	<a href="#">9009010000</a>	Screwdriver, Blade width (B): 6.5 mm, Blade length: 150 mm, Blade thickness (A): 1.2 mm	4032248266869	1 pc(s).

## Blank



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet ADVANCED printers.

- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

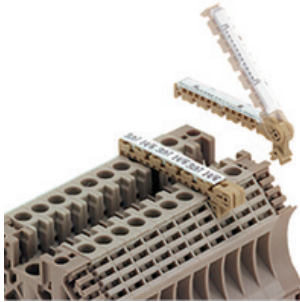
**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 12 MC NE GE	<a href="#">2445080000</a>	Group markers, Cover, 36.2 x 11.9 mm, yellow	4050118458213	32 pc(s).
WAD 12 MC NE WS	<a href="#">2445070000</a>	Group markers, Cover, 36.2 x 11.9 mm, white	4050118458220	32 pc(s).

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**Accessories**
**SchT group marker carrier**


The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

SchT 9/4 and SchT 14/6 are hinged group tag carriers for single dekafix and WS tags that enable easy access to the clamping screw.

SchT 9/4 and SchT 14/6 are fitted with WS or DEK. Inlay tags and protective strips can be found under "Accessories".

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SCHT 7	<a href="#">0517960000</a>	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00 white	4008190001742 20 pc(s).	
Discontinued	2015-07-31T00:00:00+02:00	SCHT 9/4	<a href="#">1278460000</a>	SCHT, Terminal marker, 32 x 4 mm, Pitch in mm (P): 5.00 beige 4008190086930 20 pc(s).
This article will no longer be available in the future.	2017-06-30T00:00:00+02:00	SCHT 14/6	<a href="#">1269060000</a>	SCHT, Terminal marker, 44.3 x 6 mm, Pitch in mm (P): 6.00 beige 4008190051396 20 pc(s).

**End brackets**

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	<a href="#">1059000000</a>	W-Series, End bracket	4008190172282 50 pc(s).	

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**Accessories**

**Marking Holder**



**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
BZT 1 WS 10/5	<a href="#">1805490000</a>	Accessories, Marker holder	4032248270231	100 pc(s).
BZT 1 ZA WS 10/5	<a href="#">1805520000</a>	Accessories, Marker holder	4032248270248	100 pc(s).

**with flash**



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet ADVANCED printers.

- High-quality and resistant printing with PrintJet
- WAD marker and cover for the W-series terminals and the WEW 35/2 or ZEW 35/2 end brackets
- Available as blank markers, with custom printing or standard print with lightning symbol
- Quick and easy installation

**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	Order No.	Version	GTIN (EAN)	Qty.
WAD 12 MC GE/SW	<a href="#">B2445090000</a>	Group markers, Cover, 36.2 x 11.9 mm, yellow	4050118457896	32 pc(s).



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**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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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	Order No.	Version	GTIN (EAN)	Qty.
WS 12/5 MC NE WS	<a href="#">1609860000</a>	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, white	4008190203481	720 pc(s).

**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	Order No.	Version	GTIN (EAN)	Qty.
ZGB 15	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 white	4008190297053	20 pc(s).
ZGB 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 white	4008190002251	20 pc(s).

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**Accessories**

**Partition plates**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WTW EN	<a href="#">1058800000</a>	W-Series, Separation plate	4008190140175	20 pc(s).

**WQB PEN**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WQB-PEN 35	<a href="#">1060100000</a>	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190089870	10 pc(s).

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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	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<a href="#">1609801044</a>	Dekafix, Terminal marker,	4008190397111	1,000 pc(s).
NE WS		5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, white		