

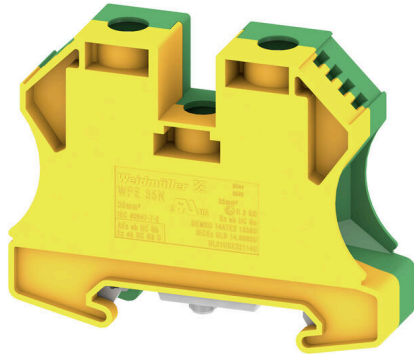
**WPE 35N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

**General ordering data**

Version	PE terminal, Screw connection, Green/yellow, 35 mm <sup>2</sup> , 400 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	<a href="#">1717740000</a>
Type	WPE 35N
GTIN (EAN)	4008190351854
Qty.	20 items

## WPE 35N

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E60693

### Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.9882 inch
Depth including DIN rail	51 mm	Height	66 mm
Height (inches)	2.5984 inch	Width	16 mm
Width (inches)	0.6299 inch	Net weight	46 g

### Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

### Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	6c		
REACH SVHC	Lead 7439-92-1		
SCIP	1007fa59-32ea-4163-aa91-1482deede565		
Product Carbon Footprint	Cradle to gate	1.389 kg CO2 eq.	

### Material data

Basic material	Wemid	Colour	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>
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	End cover plate required	No
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	Yes

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## Additional technical data

Open sides	closed	Number of similar terminals	1
Installation advice	when screwed in	Explosion-tested version	Yes
Type of mounting	when screwed in	Locking	for screw fixing

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B8	Wire connection cross section AWG, max.	AWG 2
Connection direction	on side	Tightening torque, max.	5 Nm
Tightening torque, min.	4 Nm	Stripping length	18 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	50 mm <sup>2</sup>	Clamping range, min.	2.5 mm <sup>2</sup>
Clamping screw	M 6	Blade size	6.5 x 1.2 mm
Wire connection cross section AWG, min.	AWG 12	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 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, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	50 mm <sup>2</sup>
Connection cross-section, 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>		

## General

Wire connection cross section AWG, max.	AWG 2	Installation advice	when screwed in
Wire connection cross section AWG, min.	AWG 12	Standards	IEC 60947-7-2
Mounting rail	TS 35		

## Rating data

Rated cross-section	35 mm <sup>2</sup>	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	0.26 mΩ	Rated impulse withstand voltage to adjacent terminal	6 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Pollution severity	3

## UL rating data

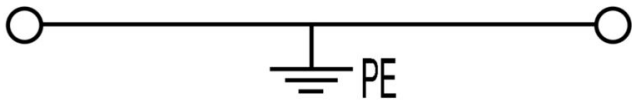
Conductor size Factory wiring max. (cURus)	2 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	12 AWG	Conductor size Factory wiring min. (cURus)	12 AWG
Conductor size Field wiring max. (cURus)	2 AWG		

## Technical data

### Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

**Drawings**



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## Accessories

### 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	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		

### 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 1.2X6.5X150	Version	
Order No.	<a href="#">9009010000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248266869		
Qty.	1 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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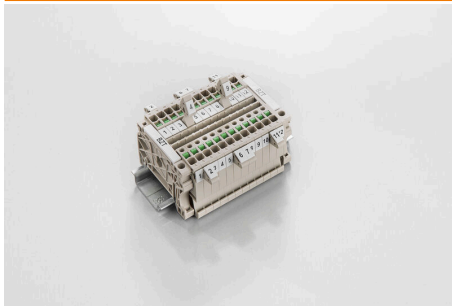
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## Accessories

## General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	
Type	WS 12/6.5 MC NE WS	Version
Order No.	<a href="#">1609920000</a>	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 ST	

## Marker holder

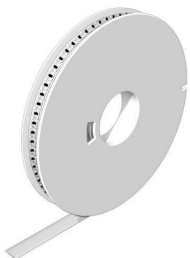


The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found 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	

## 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

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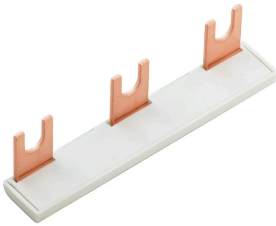
[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

## General ordering data

Type	WS 12/6.5 MM WS	Version	
Order No.	<a href="#">2619930000</a>	Version	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white
GTIN (EAN)	4050118626155		
Qty.	600 ST		

## Cross connector



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	WQB PEN 35N	Version	
Order No.	<a href="#">1079500000</a>	Version	Cross-connector (terminal), when screwed in, Silver grey, 125 A,
GTIN (EAN)	4008190370121	Version	Number of poles: 2, Pitch in mm (P): 16.00, Insulated: No, Width:
Qty.	10 ST	Version	24.6 mm