

**WPD 133 1X300/1X300 GY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option. Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

**General ordering data**

Version	Potential distributor terminal, Screw connection, Light Grey, 300 mm <sup>2</sup> , 520 A, 1000 V, Number of connections: 2, Number of levels: 1
Order No.	<a href="#">2502850000</a>
Type	WPD 133 1X300/1X300 GY
GTIN (EAN)	4050118516678
Qty.	1 items

## WPD 133 1X300/1X300 GY

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Approvals

Approvals



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

### Dimensions and weights

Depth	83.5 mm	Depth (inches)	3.2874 inch
Height	118 mm	Height (inches)	4.6457 inch
Width	45 mm	Width (inches)	1.7716 inch
Net weight	348 g		

### Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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	Light Grey
UL 94 flammability rating	V-0		

### Rating data IECEx/ATEX

Certificate No. (ATEX)	CNEX18ATEX0016U	Certificate No. (IECEx)	IECExCNEX18.0010U
Max. voltage (ATEX)	1100 V	Current (ATEX)	520 A
Wire cross section max. (ATEX)	300 mm <sup>2</sup>	Max. voltage (IECEx)	1100 V
Current (IECEx)	520 A		

### System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
PE function	No		

### Additional technical data

Installation advice	Terminal rail / mounting plate	Explosion-tested version	Yes
Type of mounting	Snap-on		

## WPD 133 1X300/1X300 GY

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	kcmil 500	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	2	Clamping range, max.	300 mm <sup>2</sup>
Clamping range, min.	35 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 2
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	35 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	240 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	300 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	35 mm <sup>2</sup>	Connection cross-section, stranded, max.	300 mm <sup>2</sup>
Connection cross-section, stranded, min.	35 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	300 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	35 mm <sup>2</sup>		

## General

Number of poles	1	Wire connection cross section AWG, max.	kcmil 500
Installation advice	Terminal rail / mounting plate	Wire connection cross section AWG, min.	AWG 2
Standards	IEC 60947-7-1, UL 1059, CSA	Mounting rail	TS 35

## Rating data

Rated cross-section	300 mm <sup>2</sup>	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1000 V
Nominal current	520 A	Current at maximum wires	520 A
Standards	IEC 60947-7-1, UL 1059, CSA	Volume resistance according to IEC 60947-7-x	0.06 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	16.64 W
Short-time withstand current resistance	8/20μs with 50 kA	Surge voltage category	III
Pollution severity	3		

## UL rating data

Certificate No. (cURus) E60693

## Important note

Product information You will find additional information in the downloadsection of the onlinecatalogue

## Classifications

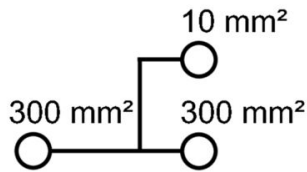
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

WPD 133 1X300/1X300 GY

Weidmüller Interface GmbH & Co. KG  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

Drawings

www.weidmueller.com



**Conductor connection data according to IEC 60947-7-1 (Cu)**

Input (x1) / Output (x1)	Copper		Aluminum	
	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □
300 mm²				
240 mm²				
185 mm²	45 Nm			
150 mm²				
120 mm²				
95 mm²				
70 mm²				
50 mm²	30 Nm			
35 mm²				
Flat band 15x25x1 mm			05 Nm	
Max. current with 2 x 300 mm² (acc. to IEC)	1040 A		940 A	
Stripping lengths			34 mm	
Allen screw			M24 (SW 12 mm)	

**Auxiliary connection**

	Copper	
	□ □ □ □	□ □ □ □
10 mm²		
6 mm²		
4 mm²	1,2 Nm	
2,5 mm²		
1,5 mm²		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+ PZ2)	

□ □ □ □ Stranded   
  □ □ □ □ Solid   
  □ □ □ □ Flexible with ferrule   
  □ □ □ □ Sector shaped   
  □ □ □ □ Flat band

**Conductor connection data according to UL 1059 (Al+Cu)**

Input (x1) / Output (x1)	Copper		Aluminum	
	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □
600 kcmil				
300 kcmil				
300 kcmil	300 lb ft.		575 lb ft.	
300 kcmil		300 lb ft.		575 lb ft.
250 kcmil				
AWG 3/0				
AWG 2/0				
AWG 1	200 lb ft.			
AWG 2				
Max. current at 1 x 300 mm² (acc. to UL)	420 A		340 A	
Stripping lengths			34 mm	
Allen screw			M24 (SW 12 mm)	

**Auxiliary connection**

	Copper	
	□ □ □ □	□ □ □ □
AWG 8		
AWG 10		
AWG 12	20 lb ft.	20 lb ft.
AWG 14		
AWG 16		
max. current	57 A	
Stripping lengths	10 mm	
screw	M4 (+ PZ2)	

□ □ □ □ Stranded   
  □ □ □ □ Solid   
  □ □ □ □ Flexible with ferrule   
  □ □ □ □ Sector shaped   
  □ □ □ □ Flat band



## WPD 133 1X300/1X300 GY

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Accessories

### Cover



Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

### General ordering data

Type	WPDPC X33 GY	Version	
Order No.	<a href="#">2503390000</a>	Version	Cover hood (terminal), Wemid
GTIN (EAN)	4050118533354		
Qty.	8 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.

### General ordering data

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

### Socket wrench sets

Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.



## WPD 133 1X300/1X300 GY

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### General ordering data

Type	SK WSD-S 1,5-10,0	Version
Order No.	<a href="#">9008850000</a>	Mounting tool
GTIN (EAN)	4032248266609	
Qty.	1 ST	
Type	SKS 2,0-8,0 MR	Version
Order No.	<a href="#">9008870000</a>	socket wrenches
GTIN (EAN)	4032248266623	
Qty.	1 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	