

**WPD 304 3X25/6X16+9X10 3XRD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

**General ordering data**

Version	Potential distributor terminal, Screw connection, red, 25 mm <sup>2</sup> , 164 A, 1000 V, Number of connections: 18, Number of levels: 1, Mounting plate, TS 35, V-O, Wemid
Order No.	<a href="#">2725300000</a>
Type	WPD 304 3X25/6X16+9X10 3XRD
GTIN (EAN)	4050118796582
Qty.	1 pc(s).

## WPD 304 3X25/6X16+9X10 3XRD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Height	68 mm	Height (inches)	2.677 inch
Width	94.5 mm	Width (inches)	3.72 inch
Net weight	298 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

## Material data

Material	Wemid	Colour	red
UL 94 flammability rating	V-0		

## System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	3	Number of levels	1
Number of clamping points per level	6	Number of potentials per tier	3
Levels cross-connected internally	Yes	Rail	Mounting plate, TS 35
N-function	No	PE function	No
PEN function	No		

## Additional technical data

Explosion-tested version	Yes	Open sides	closed
Type of mounting	Snap-on		

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

Connection direction	on side	Number of connections	18
Type of connection	Screw connection		

## General

Number of poles	3	Rail	Mounting plate, TS 35
Standards	IEC 60947-7-1, UL 1059		

## Rating data

Rated cross-section	25 mm <sup>2</sup>	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,000 V
Rated current	164 A	Standards	IEC 60947-7-1, UL 1059

# WPD 304 3X25/6X16+9X10 3XRD

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Technical data

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-19
ECLASS 14.0	27-25-01-19		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

### Important note

Product information	The socket complies with flammability class V-2 according to UL94.
---------------------	--

### Approvals

Approvals





ROHS	Conform
------	---------

### Downloads



Approval/Certificate/Document of Conformity	<a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">CB Certificate</a> <a href="#">DNV Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">DATA SHEET WPD 304</a> <a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a> <a href="#">Torque_Conductor_Connection_Data_WPD_EN</a> <a href="#">Drehmoment_Leiteranschlussdaten_WPD_DE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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



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

conductor point 1									
Input	Copper		Aluminum		Copper		Aluminum		
	C-30	C-20	C-20	C-16	C-20	C-16	C-20	C-16	
16 mm <sup>2</sup>	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	 
25 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
35 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
50 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
70 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
Stripping length	16 mm								
After use	90°								90°

conductor point 1/2									
Input	Copper		Aluminum		Copper		Aluminum		
	C-30	C-20	C-20	C-16	C-20	C-16	C-20	C-16	
16 mm <sup>2</sup>	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	 
25 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
35 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
50 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
70 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
Stripping length	16 mm								16 mm
After use	90°								90°

conductor point 3/4									
Input	Copper		Aluminum		Copper		Aluminum		
	C-30	C-20	C-20	C-16	C-20	C-16	C-20	C-16	
16 mm <sup>2</sup>	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	 
25 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
35 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
50 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
70 mm <sup>2</sup>	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	2.5 m	
Stripping length	16 mm								16 mm
After use	90°								90°

**Notes according to VDE 1000**

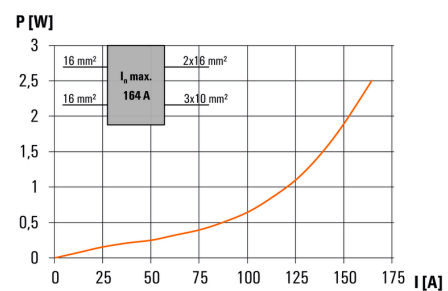
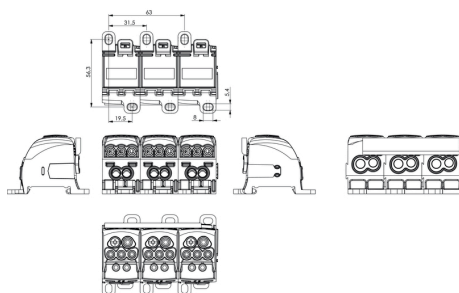
C-30 C-20 C-16

Stripping length 16 mm

After use 90°

[illegible]

CSA Rating data according to CSA 22.2 No. 158						
Certificate No. (CSA)						
200022						
Input	Output					
Q <sup>1</sup> A	Q <sup>2</sup> B	Q <sup>1</sup> 1/3	Q <sup>2</sup> 1/3	Q <sup>1</sup> 9	Q <sup>2</sup> 9	
AVG 4						
AVG 5						
AVG 6	2.5 Nm					
AVG 7						
AVG 8						
AVG 9	2.5 Nm	2.5 Nm	2.5 Nm	2.5 Nm	2.5 Nm	
AVG 10						
AVG 11						
AVG 12						
AVG 13						
AVG 14						
AVG 15						
AVG 16						
AVG 17						
AVG 18						
AVG 19						
AVG 20						
AVG 21						
AVG 22						
AVG 23						
AVG 24						
AVG 25						
AVG 26						
AVG 27						
AVG 28						
AVG 29						
AVG 30						
AVG 31						
AVG 32						
AVG 33						
AVG 34						
AVG 35						
AVG 36						
AVG 37						
AVG 38						
AVG 39						
AVG 40						
AVG 41						
AVG 42						
AVG 43						
AVG 44						
AVG 45						
AVG 46						
AVG 47						
AVG 48						
AVG 49						
AVG 50						
AVG 51						
AVG 52						
AVG 53						
AVG 54						
AVG 55						
AVG 56						
AVG 57						
AVG 58						
AVG 59						
AVG 60						
AVG 61						
AVG 62						
AVG 63						
AVG 64						
AVG 65						
AVG 66						
AVG 67						
AVG 68						
AVG 69						
AVG 70						
AVG 71						
AVG 72						
AVG 73						
AVG 74						
AVG 75						
AVG 76						
AVG 77						
AVG 78						
AVG 79						
AVG 80						
AVG 81						
AVG 82						
AVG 83						
AVG 84						
AVG 85						
AVG 86						
AVG 87						
AVG 88						
AVG 89						
AVG 90						
AVG 91						
AVG 92						
AVG 93						
AVG 94						
AVG 95						
AVG 96						
AVG 97						
AVG 98						
AVG 99						
AVG 100						
AVG 101						
AVG 102						
AVG 103						
AVG 104						



## WPD 304 3X25/6X16+9X10 3XRD

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

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

## Accessories

### Cross connection



### General ordering data

Type	WQB WPD X04/3	Version
Order No.	<a href="#">1561990000</a>	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 3,
GTIN (EAN)	4050118367324	Pitch in mm (P): 31.50, Insulated: Yes, Width: 80.2 mm
Qty.	20 pc(s).	
Type	WQB WPD X04/2	Version
Order No.	<a href="#">1561980000</a>	Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 2,
GTIN (EAN)	4050118367317	Pitch in mm (P): 31.50, Insulated: Yes, Width: 49.3 mm
Qty.	20 pc(s).	

### Crosshead screwdriver Pozidriv



Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

### General ordering data

Type	SDK PZ2	Version
Order No.	<a href="#">9008540000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056538	
Qty.	1 pc(s).	

**WPD 304 3X25/6X16+9X10 3XRD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

**General ordering data**

Type	SKS 2,0-8,0 MR	Version
Order No.	<a href="#">9008870000</a>	socket wrenches
GTIN (EAN)	4032248266623	
Qty.	1 pc(s).	

## Power distribution

### Screw connection

#### W-Series

#### WPD 104 1x25+1x16/2x16+3x10



#### WPD 104

25 mm<sup>2</sup>

#### WPD 204

25 mm<sup>2</sup>

Width / Height / Depth	mm
max. current / max. conductor	A/mm <sup>2</sup>
max. clamping range	mm <sup>2</sup>

31.5 / 49 / 68	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>
101 / 25			
1.5...25			

63 / 49 / 68	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>
101 / 25			
1.5...25			

#### Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	25 mm <sup>2</sup>	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	25 mm <sup>2</sup>	mm <sup>2</sup>
	16 mm <sup>2</sup>	mm <sup>2</sup>
	10 mm <sup>2</sup>	mm <sup>2</sup>
	25 mm <sup>2</sup>	mm <sup>2</sup>
Flexible with ferrule	16 mm <sup>2</sup>	mm <sup>2</sup>
	10 mm <sup>2</sup>	mm <sup>2</sup>
	25 mm <sup>2</sup>	mm/-
	16 mm <sup>2</sup>	mm/-
Stripping length / Blade size	10 mm <sup>2</sup>	mm/-
	16 mm <sup>2</sup>	mm/-
Tightening torque		Nm
Note		

#### IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			

Rated connection	
2.5...25 / 2.5...25	
1.5...16 / 1.5...16	
1.5...10 / 1.5...10	
1.5...16	
1.5...10	
1.5...6	
12 / M5	
14 / M6	
19 / M6	

see appendix at the end of the chapter

#### IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			

Rated connection	
2.5...25 / 2.5...25	
1.5...16 / 1.5...16	
1.5...10 / 1.5...10	
1.5...16	
1.5...10	
1.5...6	
12 / M5	
14 / M6	
19 / M6	

see appendix at the end of the chapter

#### Ordering data

Version	
	grey
	blue
	red
	black
Note	

Type	Qty.	Order No.
WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000
WPD 104 1x25+1x16/2x16+3x10 BL	1	2518250000
WPD 104 1x25+1x16/2x16+3x10 RD	1	2725260000
WPD 104 1x25+1x16/2x16+3x10 BK	1	2725360000

Type	Qty.	Order No.
WPD 204 2x25/4x16+6x10 2XGY	1	1562150000
WPD 204 2x25/4x16+6x10 2XBL	1	2518330000
WPD 204 2x25/4x16+6x10 2XRD	1	2725290000
WPD 204 2x25/4x16+6x10 2XBK	1	2725390000

#### Accessories

Cross connection	
	2-pole
	3-pole
End bracket	
	dark beige
	dark beige
Screwdriver	
	SET

Type	Qty.	Order No.
WQB WPD X04/2	20	1561980000
WQB WPD X04/3	20	1561990000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000

WPD 304

25 mm<sup>2</sup>



94.5 / 49 / 68  
101 / 25  
1.5...25



IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

IEC	UL	CSA	EN 60079-7
1000	600	600	550
101	85	85	101
25	AWG 12...4	AWG 12...4	25
8 kV / 3			
III / V-0			

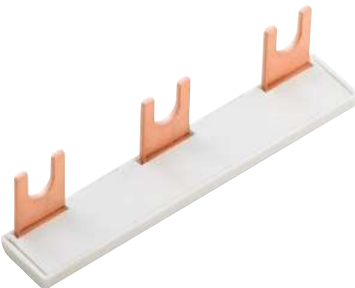
Rated connection

2.5...25 / 2.5...25
1.5...16 / 1.5...16
1.5...10 / 1.5...10
1.5...16
1.5...10
1.5...6
12 / M5
14 / M6
19 / M6

see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XGY	1	1562160000
WPD 304 3X25/6X16+9X10 3XBL	1	2518340000
WPD 304 3x25/6x16+9x10 3xRD	1	2725300000
WPD 304 3x25/6x16+9x10 3xBK	1	2725400000

Type	Qty.	Order No.
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000



B

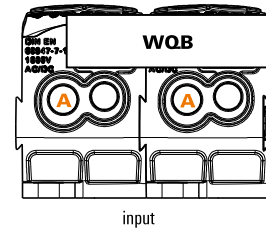




Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

connection point A				
Input	Copper		Aluminium*	
				
25 mm²	2,5 Nm		5,1 Nm	
16 mm²		2,5 Nm		5,1 Nm
10 mm²				
6 mm²				
4 mm²				
2.5 mm²				
1.5 mm²				
Stripping lengths	19 mm			
Allen screw	M6			
* Values according to UL 1059				

\* Values according to UL 1059



Output	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium*		Copper		Aluminium*		Copper		Aluminium*	
												
16 mm <sup>2</sup>	2 Nm	2 Nm	5,1 Nm		2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm	2,5 Nm	2,5 Nm	5,1 Nm	
10 mm <sup>2</sup>												
6 mm <sup>2</sup>												
4 mm <sup>2</sup>												
2.5 mm <sup>2</sup>												
1.5 mm <sup>2</sup>												
Stripping lengths	12 mm				14 mm				19 mm			
Allen screw	M5				M6				M6			
* Values according to UL 1059												

\* Values according to UL 1059



Stranded



Solid



Flexible with ferrule



Sector shaped

B



## UL Rating data according to UL 1059

Certificate no. (UR)		XCFR2.E60693			
connection point A					
Input (line)	Copper		Aluminium		
					
AWG 4	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	
AWG 6					
AWG 8					
AWG 10					
AWG 12					
max. current	85 A	65 A	65 A	50 A	
Voltage size B,C (UR)	600 V				

output (load)	connection point 1/2/3				connection point 4/5				connection point B			
	Copper		Aluminium		Copper		Aluminium		Copper		Aluminium	
												
AWG 4	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	45.1 Lb In.	22.1 Lb In.	22.1 Lb In.	45.1 Lb In.	22.1 Lb In.
AWG 6												
AWG 8												
AWG 10												
AWG 12												
AWG 14												
AWG 16												
max. current	65 A	50 A	50 A		85 A	65 A	65 A	50 A	65 A	50 A	50 A	
Voltage size B,C (UR)	600 V											



Mehrdrähtig



Eindrähtig



Feindrähtig mit Aderendhülle

## CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

Certificate No. (CSA)		269832			
	Input	Output			
	CP* A	CP* 1/2/3	CP* 4/5	CP* B	
AWG 4	2,5 Nm.				
AWG 6					
AWG 8		2,5 Nm	2,5 Nm	2,5 Nm	
AWG 10					
AWG 12					
AWG 14					
AWG 16					
max. current	85 A	50 A	50 A	65 A	
Voltage size C (CSA)	600 V				
* CP - connection point					

B

