

## WPD 104 1X25+1X16/2X16+3X10 RD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Nos blocs de distribution WPD 1XX sont utilisés dans toutes les situations où de la puissance est fournie et distribuée. Leur design convivial offre un meilleur aperçu et permet une implémentation rapide et efficace de la distribution d'énergie en permettant de gagner de la place.

## Informations générales de commande

Version	Blocs de jonction de distribution de potentiel, Raccordement vissé, Rouge, 25 mm <sup>2</sup> , 164 A, 1000 V, Nombre de raccordements: 6, Nombre d'étages: 1, Plaque de montage, TS 35, V-O, Wemid
Référence	<a href="#">2725260000</a>
Type	WPD 104 1X25+1X16/2X16+3X10 RD
GTIN (EAN)	4050118796629
Qté.	1 pièce(s)

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## Caractéristiques techniques

## Dimensions et poids

Profondeur	49 mm	Profondeur (pouces)	1,929 inch
Hauteur	68 mm	Hauteur (pouces)	2,677 inch
Largeur	31,5 mm	Largeur (pouces)	1,24 inch
Poids net	95 g		

## Températures

Température de stockage	-25 °C...55 °C	Température d'utilisation permanente, min.	-50 °C
Température d'utilisation permanente, max.	130 °C		

## 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		

## Autres caractéristiques techniques

Côté ouvert	fermé	Type de montage	monté
Version à I#92épreuve de I#92explosion	Oui		

## Caractéristiques des matériaux

Matériau	Wemid	Couleur	Rouge
Classe d'inflammabilité selon UL 94	V-0		

## Caractéristiques du système

Version	Raccordement vissé	Flasque de fermeture nécessaire	Non
Nombre de polarités	1	Nombre d'étages	1
Nombre de points de contact par étage	2	Nombre de potentiels par étage	1
Etages internes pontés	Oui	Rail	Plaque de montage, TS 35
Fonction N	Non	Fonction PE	Non
Fonction PEN	Non		

## Caractéristiques nominales

Section nominale	25 mm <sup>2</sup>	Tension nominale	1 000 V
Tension nominale AC	1 000 V	Tension nominale DC	1 000 V
Courant nominal	164 A	Normes	IEC 60947-7-1, UL 1059

## Conducteur raccordable (autre raccordement)

Type de raccordement, autre raccorde- ment	Raccordement vissé
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## Caractéristiques techniques

## Généralités

Nombre de pôles	1	Normes	IEC 60947-7-1, UL 1059
Rail	Plaque de montage, TS 35		

## Raccordement (raccordement nominal)

Nombre de raccordements	6	Sens de raccordement	latéralement
Type de raccordement	Raccordement vissé	Type de raccordement 2	Raccordement vissé

## Conformité environnementale du produit

REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9
Statut de conformité RoHS	Conforme avec exemption
Exemption RoHS (le cas échéant/connue)	6c

## Note importante

Informations sur le produit	L'alvéole de test respecte la classe d'inflammabilité V-2 selon UL94.
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## Agréments

Agréments





ROHS	Conforme
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## Téléchargements

Agrément/Certificat/Document de conformité	<a href="#">Attestation of Conformity</a> <a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">CB Certificate</a> <a href="#">VDE Certificate</a> <a href="#">UKCA Ex 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>
Données techniques	<a href="#">CAD data – STEP</a>
Documentation utilisateur	<a href="#">DATA SHEET WPD 104</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>
Catalogue	<a href="#">Catalogues in PDF-format</a>



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Conductor connection data according to IEC 60947-1-1 (Cu)																	
conductor point A																	
Input	Copper		Aluminum		Copper		Aluminum										
	C 30	C 35	C 30	C 35	C 30	C 35	C 30	C 35									
16 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
25 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
35 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
50 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
70 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
95 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
Cable length	10 mm		10 mm		10 mm		10 mm										
After use	100		100		100		100										
Notes according to VDE 1000																	
conductor point A/B																	
Input	Copper		Aluminum		Copper		Aluminum		conductor point B								
	C 30	C 35	C 30	C 35	C 30	C 35	C 30	C 35	C 30								
16 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
25 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
35 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
50 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
70 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
95 mm²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5								
Cable length	10 mm		10 mm		10 mm		10 mm		10 mm								
After use	100		100		100		100		100								
Notes according to VDE 1000																	
C 30	C 35		C 30	C 35													
Terminal	500	500	Terminal	500	500												

Connection chart according to IEC 100 (A0-Cd)

Conform to IEC

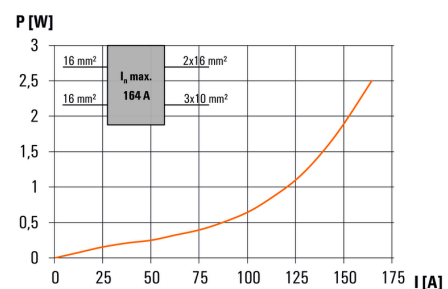
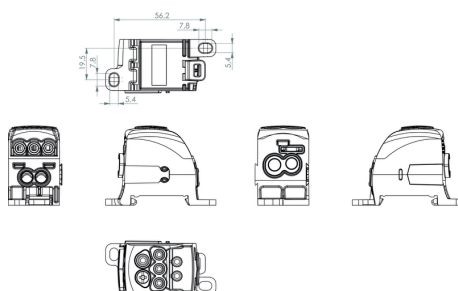
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Input/Out	Copper			Aluminium					
	C 2.5	C 4	C 6	C 2.5	C 4	C 6			
ASG 4									
ASG 6									
ASG 10		22.18 kN				41.10 kN			
ASG 12			22.18 kN						
max. current		50 A	50 A	50 A	50 A	50 A			
Voltage up to (kV)						0.6/1	max		

Input/Out	connection type 1/1/1			connection type 1/1			connection type 1/2		
	C 2.5	C 4	C 6	C 2.5	C 4	C 6	C 2.5	C 4	C 6
ASG 4									
ASG 6									
ASG 10									
ASG 12									
ASG 16		22.18 kN							
ASG 20			22.18 kN						
ASG 25							22.18 kN		22.18 kN
max. current		50 A	50 A	50 A	50 A	50 A	50 A	50 A	50 A
Voltage up to (kV)							0.6/1		

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
ANG 4					
ANG 5					
ANG 6	2.5 Nm				
ANG 7		2.5 Nm	2.5 Nm	2.5 Nm	2.5 Nm
ANG 8					
ANG 10					
ANG 12					
ANG 18					
ANG 20					
ANG 22					
ANG 24					
ANG 26					
ANG 28					
ANG 30					
ANG 32					
ANG 34					
ANG 36					
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ANG 192					
ANG 194					
ANG 196					
ANG 198					
ANG 200					
ANG 202					
ANG 204					
ANG 206					
ANG 208					
ANG 210					



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## Accessoires

## Connexion transversale



## Informations générales de commande

Type	WQB WPD X04/2	Version
Référence	<a href="#">1561980000</a>	Connecteur transversal (bloc de jonction), enfiché, gris, 135 A,
GTIN (EAN)	4050118367317	Nombre de pôles: 2, Pas en mm (P): 31.50, Isolé: Oui, Largeur: 49.3
Qté.	20 pièce(s)	mm
Type	WQB WPD X04/3	Version
Référence	<a href="#">1561990000</a>	Connecteur transversal (bloc de jonction), enfiché, gris, 135 A,
GTIN (EAN)	4050118367324	Nombre de pôles: 3, Pas en mm (P): 31.50, Isolé: Oui, Largeur: 80.2
Qté.	20 pièce(s)	mm

## Tournevis cruciforme, type Pozidrive



Tournevis cruciforme, type Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, emmanchement selon ISO 8764-PZ, pointe Chrom Top, poignée SoftFinish

## Informations générales de commande

Type	SDK PZ2	Version
Référence	<a href="#">9008540000</a>	Tournevis, Tournevis
GTIN (EAN)	4032248056538	
Qté.	1 pièce(s)	

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## Accessoires

## Jeux de clés mâles



Clé mâle en acier chrome vanadium durci, fabriqué selon DIN ISO 2936 L (DIN 911), Traitement de surface de qualité.

## Informations générales de commande

Type	SKS 2,0-8,0 MR	Version
Référence	<a href="#">9008870000</a>	clé mâle
GTIN (EAN)	4032248266623	
Qté.	1 pièce(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>
Flexible with ferrule	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>
Stripping length / Blade size	25 mm <sup>2</sup>	mm/-
	16 mm <sup>2</sup>	mm/-
	10 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	10 mm <sup>2</sup>	10 mm <sup>2</sup>	10 mm <sup>2</sup>
101 / 25	16 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>
1.5...25	25 mm <sup>2</sup>	25 mm <sup>2</sup>	25 mm <sup>2</sup>

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			

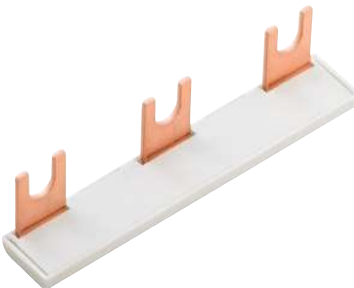
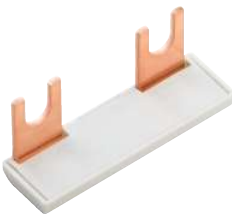
Rated connection

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 Aderendhülse

## 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

