WPD 101 2X25/2X16 BN

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

www.weidmueller.com

Product image



Building installation wiring
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Version	W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate
Order No.	1561120000
Type	WPD 101 2X25/2X16 BN
GTIN (EAN)	4050118384864
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	49.3 mm	Depth (inches)	1.941 inch
Height	55.7 mm	Height (inches)	2.193 inch
Width	17.8 mm	Width (inches)	0.701 inch
Net weight	68 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Material data

Material	Wemid	Colour	brown
UL 94 flammability rating	V-0		

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	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
N-function	No	PE function	No
PEN function	No		

Additional technical data

Installation advice	Terminal rail / mounting plate	Open sides	closed
Snap-on	Yes	Type of mounting	Snap-on
With snap-in pegs	Yes		

Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection

General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2		

Rating data

Rated voltage	1,000	Rated AC voltage	1,000 V AC
Rated DC voltage	1,000 V DC	Rated current	152 A
Standards	IEC 60947-7-1, IEC 61238-1, VDE 0603-2		

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Technical data

UL rating data

Certificate No. (cURus)	E60693

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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		

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E60693

Downloads

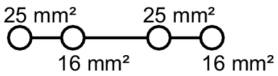
Approval/Certificate/Document of Conformity	CB Certificate EAC certificate VDE Certificate VDE Certificate DNV Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	StorageConditionsTerminalBlocks DATA SHEET WPD 101
Catalogues	Catalogues in PDF-format
Brochures	

WPD 101 2X25/2X16 BN

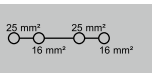
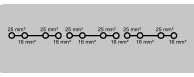
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Drawings



W-Series
WPD 101 2X25/2X16 GY

	WPD 101	25 mm²	WPD 301	25 mm²
				
Width / Height / Depth mm	17.8 / 49.3 / 55.7		53 / 49.3 / 55.7	
max. current / max. conductor A/mm²	101 / 25		101 / 25	
max. clamping range mm²	1.5...25		1.5...25	

Technical data

Rated data			WPD 101	WPD 301
Rated voltage		V	IEC 60947-7-1, DIN EN 0603-3-1	IEC 60947-7-1, DIN EN 0603-3-1
Rated current		A		
for wire cross-section	25 mm²	mm²		
Rated impulse withstand voltage / Pollution severity				
Overvoltage category / UL 94 flammability rating				
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	25 mm²	mm²		
	16 mm²	mm²		
Flexible with ferrule	25 mm²	mm²		
	16 mm²	mm²		
Stripping length / Blade size	25 mm²	mm/-		
	16 mm²	mm/-		
Tightening torque		Nm		
Note				

IEC	UL	CSA	EN 60079-7	WPD 101	WPD 301
1000	600	600			
101	85	90			
25	AWG 16...4	AWG 16...4			
	8 kV / 3				
	III / V-0				
Rated connection					
2.5...25 / 2.5...25					
4...25 / 4...25					
1.5...16					
2.5...16					
19 / M6 (+/- PZ2)					
19 / M6 (+/- PZ2)					
see appendix at the end of the chapter					

Ordering data

Version		WPD 101			WPD 301		
	light grey	Type	Qty.	Order No.	Type	Qty.	Order No.
	blue	WPD 101 2X25/2X16 BL	5	1560670000			
	green	WPD 101 2X25/2X16 GN	5	1560650000			
	brown	WPD 101 2X25/2X16 BN	5	1561120000			
	black	WPD 101 2X25/2X16 BK	5	1561100000			
	3x light grey / blue				WPD 301 2X25/2X16 3XGY	2	1561130000
	green / 3x light grey / blue						
Note							

Accessories

End bracket		WPD 101			WPD 301		
	dark beige	Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	WEW 35/2	100	1061200000	WEW 35/2	100	1061200000
Screwdriver		AEB 35 SC/1	50	1991920000	AEB 35 SC/1	50	1991920000
		SDK PZ2 X 100	1	2749450000	SDK PZ2 X 100	1	2749450000

WPD 401 — 25 mm²



71.6 / 49.3 / 55.7
101 / 25
1.5...25

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 401 2X25/2X16 4XGY	1	**1561800000**
WPD 401 2X25/2X16 3XGY/1XBL	1	**1562130000**

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**

WPD 501 — 25 mm²



88.8 / 49.3 / 55.7
101 / 25
1.5...25

IEC 60947-7-1, DIN EN 0603-3-1

IEC	UL	CSA	EN 60079-7
1000	600	600	
101	85	90	
25	AWG 16...4	AWG 16...4	
	8 kV / 3		
	III / V-0		

Rated connection
2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 501 2X25/2X16 5XGY	1	**1561750000**
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	**1562140000**

Type	Qty.	Order No.
WEW 35/2	100	**1061200000**
AEB 35 SC/1	50	**1991920000**
SDK PZ2 X 100	1	**2749450000**







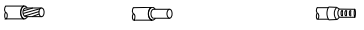


Power distribution
Screw connection

Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

OInput (x2) / Output (x2)	Copper		Aluminium
2x35 mm² (round conductor)			
25 mm²	3,5 Nm		4 Nm
16 mm²		3,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
1.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		

OInput (x2) / Output (x2)	Copper		Aluminium
2x16 mm² (round conductor)			
35 mm²	2,5 Nm		
25 mm²			4 Nm
16 mm²		2,5 Nm	
10 mm²			
6 mm²			
4 mm²			
2.5 mm²			
Stripping lengths	19 mm		
screw	M6 (+/- PZ2)		



Mehrdrähtig Eindrähtig Feindrähtig mit Aderendhülse

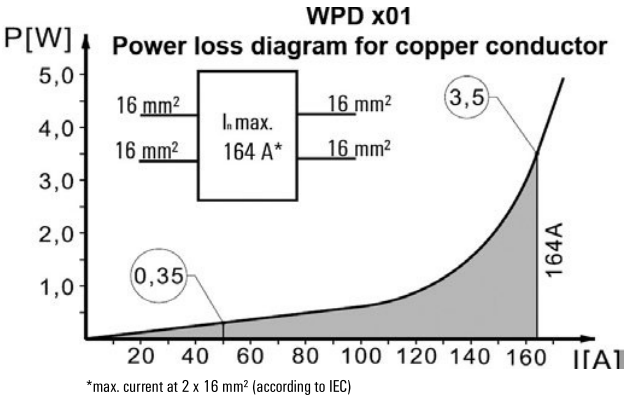
UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
	connection point A				CP** B
Input (line)	Copper		Aluminium		Copper
AWG 2/0	88.5 Lb In.		120.4 Lb In.		
AWG 1/0		88.5 Lb In.		100 Lb In.	
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10					
Flat band 15.5x3.2 mm					17.4 Lb In.
max. current	160 A	150 A	135 A	120 A	160 A
Voltage size B,C (UR)	600 V				
** CP - connection point					

CSA rating data according to CSA 22.2 No. 158

Certificate No. (cURus)	XCFR8.E60693	
Voltage size B,C (cURus) - Cu	600 V	
	Current size B,C (cURus) - CU / CU / Tightening torque	
	Line	Load
AWG 4	90 A / 2,5 Nm	
AWG 6		65 A / 2,1 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		

Voltage size C (cURus) - AL	600 V	
	Current size B,C (cURus) - AL / AL / Tightening torque	
	Line	Load
AWG 4	65 A / 4 Nm	
AWG 6	50 A / 4 Nm	65 A / 4 Nm
AWG 8		
AWG 10		
AWG 12		
AWG 14		
AWG 16		



*max. current at 2 x 16 mm² (according to IEC)

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