

**WPD 110 1X70+1X35/6X16 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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	Potential distributor terminal, Screw connection, 70, 1000 V, 200 A, Number of connections: 8, Number of poles: 1, TS 35, Mounting plate, blue
Order No.	<a href="#">2603820000</a>
Type	WPD 110 1X70+1X35/6X16 BL
GTIN (EAN)	4050118654509
Qty.	3 pc(s).

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## Technical data

## Dimensions and weights

Depth	63 mm	Depth (inches)	2.48 inch
Height	69.75 mm	Height (inches)	2.746 inch
Width	38.5 mm	Width (inches)	1.516 inch
Net weight	91.667 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	blue
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	8	Levels cross-connected internally	No
Rail	TS 35, Mounting plate	N-function	No
PE function	No	PEN function	No

## Additional technical data

Explosion-tested version	Yes	Installation advice	Terminal rail / mounting plate
Open sides	closed	Snap-on	Yes
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	8
Type of connection	Screw connection		

## General

Installation advice	Terminal rail / mounting plate	Number of poles	1
Rail	TS 35, Mounting plate	Standards	IEC 60947-7-1

## Rating data

Rated cross-section	70 mm <sup>2</sup>	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	200 A	Standards	IEC 60947-7-1
Rated impulse withstand voltage	8 kV	Pollution severity	3
Surge voltage category	III		

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[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

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	9436182c-fbd0-49e8-bf45-a0deac7233a9

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DNV Certificate</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

### WPD 110 1X70+1X35/6X16 BL

**Weidmüller Interface GmbH & Co. KG**

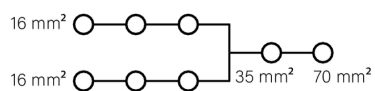
Klingenbergstraße 26

D-32758 Detmold

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## Drawings



## WPD 110 1X70+1X35/6X16 BL

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## Accessories

## 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 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

## Power distribution

### Screw connection

#### W-Series

#### WPD 110 1X70+1X35/6X16 GY

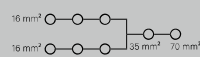


WPD 110

70 mm<sup>2</sup>

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

38.5 / 63 / 69.5  
192 / 70  
1.5...70



#### Technical data

Rated data		
Rated voltage		V
Rated current		A
for wire cross-section	70 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	70 mm <sup>2</sup>	mm <sup>2</sup>
	35 mm <sup>2</sup>	mm <sup>2</sup>
	16 mm <sup>2</sup>	mm <sup>2</sup>
Flexible with ferrule	70 mm <sup>2</sup>	mm <sup>2</sup>
	35 mm <sup>2</sup>	mm <sup>2</sup>
	16 mm <sup>2</sup>	mm <sup>2</sup>
Stripping length / Blade size	70 mm <sup>2</sup>	mm/-
	35 mm <sup>2</sup>	mm/-
	16 mm <sup>2</sup>	mm/-
Tightening torque		Nm
Note		

#### IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
192			
70			
	8 kV / 3		
	III / V-0		

Rated connection	
10...70 / 4...35	
4...35 / 4...35	
1.5...16 / 1.5...16	
6...50	
2.5...25	
1.5...10	
27 / M10	
26 / M8	
13 / M6	
see appendix at the end of the chapter	



B

#### Ordering data

Version	
	light grey
	blue
	green
Note	




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WPD 110 1X70+1X35/6X16 GY		2603810000
WPD 110 1X70+1X35/6X16 BL		2603820000
WPD 110 1X70+1X35/6X16 GN		2603830000




#### Accessories




End bracket	
	dark beige
	dark beige
Screwdriver	




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

Conductor connection data according to DIN EN 60998-1 (Cu), IEC 61238-1 class A (Cu+Al)

Input	Copper		Aluminium
1x 70 mm <sup>2</sup>			
70 mm <sup>2</sup>	10 Nm		12 Nm
50 mm <sup>2</sup>			
35 mm <sup>2</sup>		10 Nm	
25 mm <sup>2</sup>			
16 mm <sup>2</sup>			
10 mm <sup>2</sup>			
6 mm <sup>2</sup>			
Stripping lengths		27 mm	
Screw		M10 (+/- PZ2)	

Input	Copper		Aluminium
1x 35 mm <sup>2</sup>			
35 mm <sup>2</sup>	6 Nm		
25 mm <sup>2</sup>			
16 mm <sup>2</sup>		6 Nm	
10 mm <sup>2</sup>			
6 mm <sup>2</sup>			
4 mm <sup>2</sup>			
2,5 mm <sup>2</sup>			
Stripping lengths	26 mm		
Screw	M8 (+/- PZ2)		

Output	Copper		Aluminium
6x 16 mm <sup>2</sup>			
16 mm <sup>2</sup>	3 Nm		10 Nm
10 mm <sup>2</sup>		3 Nm	
6 mm <sup>2</sup>			
4 mm <sup>2</sup>			
2.5 mm <sup>2</sup>			
1.5 mm <sup>2</sup>			
Stripping lengths	13 mm		
Screw	M6 (+/- PZ2)		

 Stranded
  Solid
  Flexible with ferrule

