

**WDU 2.5/BLZ/7.62****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

**General ordering data**

Version	Feed-through terminal block, Screw connection, 2.5 mm <sup>2</sup> , 400 V, 21.5 A, Number of connections: 1
Order No.	<a href="#">1038900000</a>
Type	WDU 2.5/BLZ/7.62
GTIN (EAN)	4008190864798
Qty.	100 pc(s).

## WDU 2.5/BLZ/7.62

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## Technical data

### Dimensions and weights

Depth	37 mm	Depth (inches)	1.457 inch
Height	49 mm	Height (inches)	1.929 inch
Width	7.62 mm	Width (inches)	0.3 inch
Net weight	5.49 g		

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

### Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

### System specifications

Version	1 plug-in connection - 2 plug-in connections, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

### 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, solid, two clampable wires, max.	2.5 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>

### Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

### Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>	Connection type, additional connection	Plug-in connection
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**Technical data**

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Clamping screw	M 2.5
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	1	Stripping length	10 mm
Torque level with DMS electric screwdriver	1	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

**General**

Rail	TS 35	Standards	IEC 60947-7-1, IEC 61984
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	21.5 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1, IEC 61984
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

**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	27-25-01-01

**Environmental Product Compliance**

REACH SVHC	/
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<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="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual WDU1.5/BLA/BLZ</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

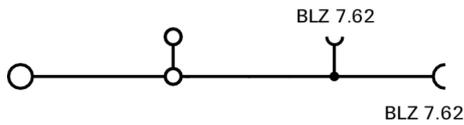
**Data sheet**

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**Drawings**



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## Accessories

## 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.

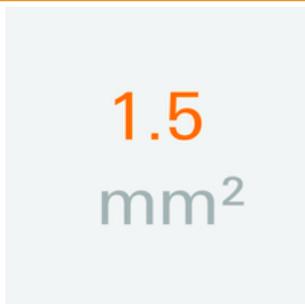
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

1.5 mm<sup>2</sup>

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

Type	WAP WDU1.5/BLZ	Version
Order No.	<a href="#">1577330000</a>	End plate (terminals), 45.4 mm x 2.5 mm, dark beige
GTIN (EAN)	4008190127046	
Qty.	50 pc(s).	
Type	WAP WDU1.5/BLZ/ZA	Version
Order No.	<a href="#">1577320000</a>	End plate (terminals), 45.4 mm x 2.5 mm, dark beige
GTIN (EAN)	4008190073770	
Qty.	50 pc(s).	

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## Accessories

## Coding elements



**Only connects what is supposed to be connected:  
 the right connection at the right place.**

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

## General ordering data

Type	BLZ/SL KO BK BX	Version	Product data	Packaging
Order No.	<a href="#">1545710000</a>	PCB plug-in connector, Accessories, Coding element, black, Number of poles: 1		Box
GTIN (EAN)	4008190087142			
Qty.	50 pc(s).			

## BLZ 7.62/180



Female plugs with clamping-yoke screw wire-connect system. The female plugs provide space for labelling and can be coded.

## General ordering data

Type	BLZ 7.62/06/180 SN OR BX	Version	Product data	Packaging
Order No.	<a href="#">1623090000</a>	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 6, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², UL: 300 V / 15 A / AWG 26 - AWG 12		Box
GTIN (EAN)	4008190194147			
Qty.	50 pc(s).	Box		
Type	BLZ 7.62/04/180 SN OR BX	Version	Product data	Packaging
Order No.	<a href="#">1623070000</a>	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 4, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², UL: 300 V / 15 A / AWG 26 - AWG 12		Box
GTIN (EAN)	4008190194123			
Qty.	100 pc(s).	Box		
Type	BLZ 7.62/08/180 SN OR BX	Version	Product data	Packaging
Order No.	<a href="#">1623110000</a>	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 8, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², UL: 300 V / 15 A / AWG 26 - AWG 12		Box
GTIN (EAN)	4008190194161			
Qty.	40 pc(s).	Box		

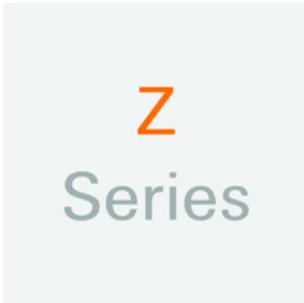
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**Accessories**

**Z-Series**



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

**General ordering data**

Type	WAD WDU 1.5/BLZ/BLA	Version
Order No.	<a href="#">1577400000</a>	Terminal cover, Wemid, dark beige, Height: 12.75 mm, Width: 9.48 mm, Depth: 8.85 mm
GTIN (EAN)	4008190112165	
Qty.	20 pc(s).	

**Blank**



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**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	WS 12/5 MC NE WS	Version
Order No.	<a href="#">1609860000</a>	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, white
GTIN (EAN)	4008190203481	
Qty.	720 pc(s).	

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## Accessories

## WS 12/5

**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	WS 12/5 MM WS	Version
Order No.	<a href="#">2007190000</a>	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 pc(s).	

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

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Germany[www.weidmueller.com](http://www.weidmueller.com)**Accessories****W-Series**

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	