

**WDU 6 SL/EN SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

Version	Feed-through terminal block, Screw connection, black, 6 mm <sup>2</sup> , 41 A, 690 V, Number of connections: 2
Order No.	<a href="#">9537430000</a>
Type	WDU 6 SL/EN SW
GTIN (EAN)	4032248037438
Qty.	50 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E60693

Dimensions and weights

Depth	51.1 mm	Depth (inches)	2.0118 inch
Depth including DIN rail	55 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	17.29 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0,134 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	black
UL 94 flammability rating	V-0		

Rating data IECEX/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	440 V	Current (ATEX)	40 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	440 V
Current (IECEX)	40 A	Wire cross section max. (IECEX)	6 mm <sup>2</sup>
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, with spring-loaded cable clamp, for screwable cross-connection, for plug-in cross-connector. One end without connector	End cover plate required	Yes
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	No	PE connection	No

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## Technical data

Mounting rail	TS 32, TS 35	N-function	No
PE function	No	PEN function	No

### Additional technical data

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

### CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	45 A	Certificate No. (CSA)	200039-1057876
Voltage size B (CSA)	300 V	Current size B (CSA)	45 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	20 AWG		

### Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	on side	Tightening torque, max.	1.6 Nm
Tightening torque, min.	0.8 Nm	Stripping length	16 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping screw	M 3.5	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 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, finely stranded with wire-end ferrules DIN 46228/1, max.	6 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, max.	6 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

### General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 32, TS 35

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	690 V
Rated DC voltage	690 V	Nominal current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	6 kV

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## Technical data

Power loss in accordance with IEC 60947-7-x	1.31 W	Surge voltage category	III
Pollution severity	3		

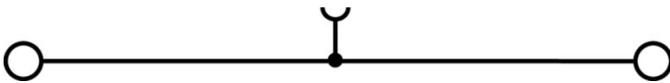
### UL rating data

Conductor size Factory wiring max. (UR)	8 AWG	Current size D (UR)	10 A
Current size C (UR)	50 A	Voltage size C (UR)	150 V
Conductor size Factory wiring min. (UR)	20 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR)	20 AWG	Voltage size D (UR)	300 V
Conductor size Field wiring max. (UR)	8 AWG		

### Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

**Drawings**



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## Accessories

### End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

#### General ordering data

Type	WAP 2.5-10	Version
Order No.	<a href="#">1050000000</a>	End plate for terminals, dark beige, Height: 56 mm, Width: 1.5 mm,
GTIN (EAN)	4008190103149	V-0, Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 SW	Version
Order No.	<a href="#">1050010000</a>	End plate for terminals, black, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406806	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 16+35 WTW 2.5-10	Version
Order No.	<a href="#">1050100000</a>	End and partition plate for terminals, dark beige, Height: 56 mm,
GTIN (EAN)	4008190079901	Width: 1.5 mm, V-0, Wemid
Qty.	20 ST	
Type	WAP 2.5-10 4-6	Version
Order No.	<a href="#">1272380000</a>	End plate for terminals, dark beige, Height: 56 mm, Width: 1.5 mm,
GTIN (EAN)	4050118114881	V-0, Wemid, Snap-on: Yes
Qty.	50 ST	

### End bracket



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, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

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## Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

## General ordering data

Type	WQV 6/2	Version
Order No.	<a href="#">1052360000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190075866	poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/3	Version
Order No.	<a href="#">1054760000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190174163	poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/4	Version
Order No.	<a href="#">1054860000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190180799	poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/5	Version
Order No.	<a href="#">1062660000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190176914	poles: 5, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/6	Version
Order No.	<a href="#">1062670000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190261771	poles: 6, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/7	Version
Order No.	<a href="#">1062680000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190261788	poles: 7, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	
Type	WQV 6/10	Version
Order No.	<a href="#">1052260000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4008190153977	poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	20 ST	
Type	WQV 6/12	Version
Order No.	<a href="#">1062720000</a>	Cross-connector (terminal), when screwed in, yellow, 57 A, Number of
GTIN (EAN)	4050118259391	poles: 12, Pitch in mm (P): 8.00, Insulated: Yes, Width: 7.6 mm
Qty.	50 ST	

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**Accessories**

**Testadapter and testsockets**

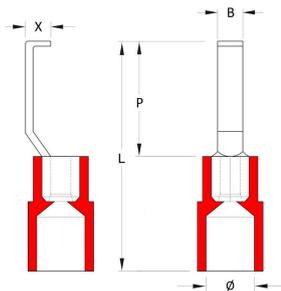


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

**General ordering data**

Type	WTA 3 WDU4	Version	
Order No.	<a href="#">1632350000</a>	Test adapter (terminal), 1.5 mm <sup>2</sup> , 250 V, 6 A	
GTIN (EAN)	4008190209711		
Qty.	25 ST		

**Hook-type cable lugs**



The use of insulated connectors guarantees users a permanent and consistent quality for their electrical connections. In addition, they bring advantages during installation.

**General ordering data**

Type	HBT 1,5 - 4,6 RT	Version	
Order No.	<a href="#">1233340000</a>	cable lug, terminal end, Insulated cable connector, 1.5 mm <sup>2</sup> , 1.5 mm <sup>2</sup> -	
GTIN (EAN)	4050118210972	4.6 mm <sup>2</sup> , red	
Qty.	100 ST		
Type	HBT 2,5 - 4,6 BL	Version	
Order No.	<a href="#">1233330000</a>	cable lug, terminal end, Insulated cable connector, 2.5 mm <sup>2</sup> , 2.5 mm <sup>2</sup> -	
GTIN (EAN)	4050118016901	4.6 mm <sup>2</sup> , blue	
Qty.	100 ST		
Type	HBT 6,0 - 4,6 GE	Version	
Order No.	<a href="#">1216230000</a>	cable lug, terminal end, Insulated cable connector, 4.6 mm <sup>2</sup> , 4.6 mm <sup>2</sup> -	
GTIN (EAN)	4050118000337	6 mm <sup>2</sup> , yellow	
Qty.	100 ST		

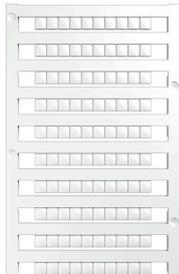
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## Accessories

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### 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.	1000 ST	
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,
GTIN (EAN)	4008190203481	Allen-Bradley, white
Qty.	720 ST	

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

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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 ST		

### Blank



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers. 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	WAD 8 MC NE WS	Version	
Order No.	<a href="#">1112940000</a>	Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4,	
GTIN (EAN)	4032248891825	WEW 35/2, ZEW 35/2, white	
Qty.	48 ST		
Type	WAD 8 MC NE GE	Version	
Order No.	<a href="#">1112950000</a>	Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4,	
GTIN (EAN)	4032248891696	WEW 35/2, ZEW 35/2, yellow	
Qty.	48 ST		