Weidmüller
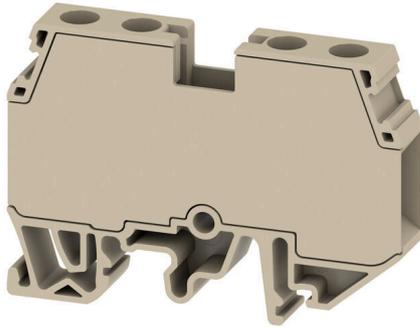
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, dark beige, 16 mm², 76 A, 1000 V, Number of connections: 2
Order No.	2868370000
Type	WDUB 16
GTIN (EAN)	4064675619413
Qty.	20 items

Weidmüller ⇛

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Technical data

Approvals

Approvals	

ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	47 mm	Depth (inches)	1.8504 inch
Height	65 mm	Height (inches)	2.5591 inch
Width	9.9 mm	Width (inches)	0.3898 inch
Net weight	30.25 g		

Temperatures

Ambient temperature	-40 °C...65 °C	Continuous operating temp., min.	-40 °C
Continuous operating temp., max.	110 °C		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	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	No	Mounting rail	TS 35, TS 32
N-function	No	PE function	No
PEN function	No		

Additional technical data

Open sides	closed	Snap-on	Yes
Type of fixing	Snap-on	Explosion-tested version	No
Type of mounting	TS 32, TS 35		

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Certificate No. (CSA)	200039-1057876
Voltage size B (CSA)	600 V	Current size B (CSA)	65 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	18 AWG		

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WDUB 16

Technical data

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6	Wire connection cross section AWG, max.	AWG 6
Connection direction	on side	Tightening torque, max.	1.9 Nm
Tightening torque, min.	1.2 Nm	Stripping length	20 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	16 mm²	Clamping range, min.	0.5 mm²
Clamping screw	M 4	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 24	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross-section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	0.5 mm²	Connection cross-section, finely stranded, min.	0.5 mm²

General

Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 24
Standards	IEC 60947-7-1	Mounting rail	TS 35, TS 32

Rating data

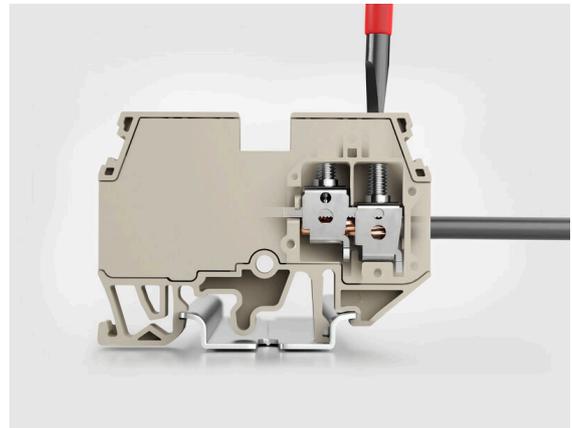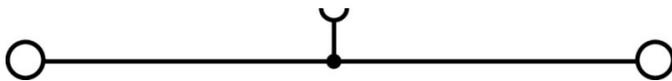|			
Rated cross-section	16 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	76 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage	8 kV
Surge voltage category	III	Pollution severity	3

UL rating data

Voltage size B (cURus)	600 V	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	6 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	18 AWG	Current size B (cURus)	65 A
Voltage size C (cURus)	600 V	Current size C (cURus)	65 A
Current size D (cURus)	5 A		

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		

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Drawings

WDUB 16

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Accessories

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 10/10	Version
Order No.	1052460000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190152130	poles: 10, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	20 ST	
Type	WQV 10/2	Version
Order No.	1052560000	Cross-connector (terminal), when screwed in, yellow, 76 A, Number of
GTIN (EAN)	4008190154943	poles: 2, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/3	Version
Order No.	1054960000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190079079	poles: 3, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/4	Version
Order No.	1055060000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190188245	poles: 4, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	50 ST	
Type	WQV 10/5	Version
Order No.	2091130000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4008190215903	poles: 5, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	20 ST	
Type	WQV 10/6	Version
Order No.	2226500000	Cross-connector (terminal), when screwed in, yellow, 63 A, Number of
GTIN (EAN)	4032248793761	poles: 6, Pitch in mm (P): 9.90, Insulated: Yes, Width: 7.55 mm
Qty.	20 ST	

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.

Accessories

General ordering data

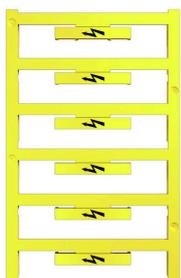| Type	STB 8.5/5/2.3/M3 SAK2.5	Version	
Order No.	0280600000	Accessories, Socket	
GTIN (EAN)	4008190023188		
Qty.	50 ST		

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 GE	Version	
Order No.	1112950000	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		
Type	WAD 8 MC NE WS	Version	
Order No.	1112940000	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		

With lightning flash

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 5 MC B GE/SW	Version	
Order No.	1120450000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,	
GTIN (EAN)	4032248901272	WEW 35/2, ZEW 35/2, yellow	
Qty.	48 ST		
Type	WAD 8 MC B GE/SW	Version	
Order No.	1120470000	Group markers, Cover, 33.3 x 8 mm, Pitch in mm (P): 8.00 WDU 4,	
GTIN (EAN)	4032248901289	WEW 35/2, ZEW 35/2, yellow	
Qty.	48 ST		

Accessories

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.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190030230		
Qty.	50 ST		
Type	WEW 35/2 GR	Version	
Order No.	1859200000	End bracket, grey, TS 35, V-2, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4032248411658		
Qty.	50 ST		
Type	WEW 35/2 SW	Version	
Order No.	1061210000	End bracket, black, TS 35, V-2, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4032248136278		
Qty.	50 ST		
Type	WEW 35/2 V0 GF SW	Version	
Order No.	1479000000	End bracket, black, TS 35, V-0, Wemid, Width: 8 mm, 130 °C	
GTIN (EAN)	4050118286779		
Qty.	50 ST		

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.8X4.0X100	Version	
Order No.	2749360000	Screwdriver, Blade width (B): 4 mm, Blade length: 100 mm, Blade	
GTIN (EAN)	4050118895582	thickness (A): 0.8 mm	
Qty.	1 ST		

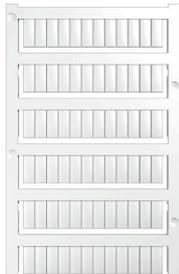**Weidmüller Interface GmbH & Co. KG**
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Germany

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Accessories

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.	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190203481	Allen-Bradley, white	
Qty.	720 ST		
Type	DEK 5/5 MC NE WS	Version	
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1000 ST		
Type	WS 12/9.5-11 MC NE WS	Version	
Order No.	2484220000	, Polyamide 66, Colour: white	
GTIN (EAN)	4050118494808		
Qty.	300 ST		