

WDUL 4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

Version	Component terminal block, Screw connection, dark beige, 4 mm ² , 250 V, 250 V, Number of connections: 2, Number of levels: 1, TS 35
Order No.	8161820000
Type	WDUL 4
GTIN (EAN)	4008 190348250
Qty.	10 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	6.5 mm
Width (inches)	0.2559 inch	Net weight	11.5 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °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

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	Mounting rail	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

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.6 Nm	Stripping length	9 mm
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	2	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 3

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Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.13 mm ²
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, min.	0.13 mm ²
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.13 mm ²
Connection cross-section, finely stranded, max.	4 mm ²	Connection cross-section, finely stranded, min.	0.13 mm ²

Dimensions

TS 35 offset	32 mm
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General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	4 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	120 mA
Current at maximum wires	6 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Power loss in accordance with IEC 60947-7-x	1.02 W
Surge voltage category	III	Pollution severity	3

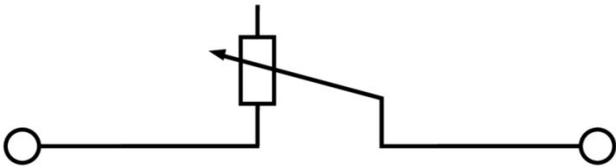
Important note

Product information	The allowed continuous operating temperature must be observed
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Classifications

ETIM 8.0	EC000903	ETIM 9.0	EC000903
ETIM 10.0	EC000903	ECLASS 14.0	27-25-01-14
ECLASS 15.0	27-25-01-14		

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.	1050000000	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 BL	Version
Order No.	1050080000	End plate for terminals, blue, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190136611	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 BR	Version
Order No.	1050070000	End plate for terminals, brown, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455507	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GE	Version
Order No.	1050020000	End plate for terminals, yellow, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406776	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GN	Version
Order No.	1072200000	End plate for terminals, green, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455491	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 GR	Version
Order No.	1050050000	End plate for terminals, grey, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455484	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 RT	Version
Order No.	1050040000	End plate for terminals, red, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406783	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 OR	Version
Order No.	1050060000	End plate for terminals, orange, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406769	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 2.5-10 SW	Version
Order No.	1050010000	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 2.5-10 VI	Version
Order No.	1072210000	End plate for terminals, violet, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455460	Wemid, Snap-on: No
Qty.	50 ST	

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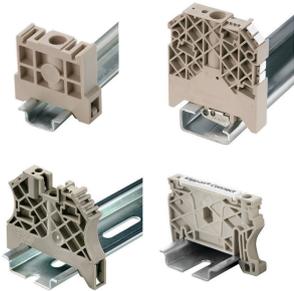
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Accessories

Type	WAP 2.5-10 WS	Version
Order No.	1050090000	End plate for terminals, white, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406790	Wemid, Snap-on: No
Qty.	50 ST	
Type	WAP 16+35 WTW 2.5-10	Version
Order No.	1050100000	End and partition plate for terminals, dark beige, Height: 56 mm,
GTIN (EAN)	4008190079901	Width: 1.5 mm, V-0, Wemid
Qty.	20 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	EW 35	Version
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

Shield clamping saddle



With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

General ordering data

Type	LS 2.8 WDU2.5-10	Version
Order No.	1056400000	W-Series, Shield bus
GTIN (EAN)	4008190036454	
Qty.	100 ST	

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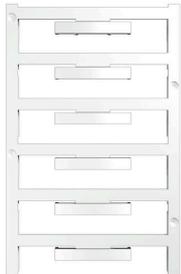
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Accessories

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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 5 MC NE GE	Version
Order No.	1112920000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,
GTIN (EAN)	4032248891771	WEW 35/2, ZEW 35/2, yellow
Qty.	48 ST	
Type	WAD 5 MC NE WS	Version
Order No.	1112910000	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,
GTIN (EAN)	4032248891689	WEW 35/2, ZEW 35/2, white
Qty.	48 ST	

SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	SCHT 7	Version
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 ST	

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Accessories

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 ST	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 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.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	