

WDU 35N IR**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, 35 mm ² , 500 V, 125 A, Number of connections: 2
Order No.	1393410000
Type	WDU 35N IR
GTIN (EAN)	4050118323504
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.988 inch
Height	66 mm	Height (inches)	2.598 inch
Width	16 mm	Width (inches)	0.63 inch
Net weight	48.104 g		

Temperatures

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

Material data

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

System specifications

Version	Screw connection, for screwable cross-connection, in closed state	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	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	Yes

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Blade size	TX 20	Clamping range, max.	50 mm ²
Clamping range, min.	2.5 mm ²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm ²	Connection cross-section, stranded, min.	2.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B8, B9
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 Nm	Tightening torque, min.	2.5 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm ²
Wire connection cross section, finely stranded, min.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	2.5 mm ²		

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 12

Rating data

Rated cross-section	35 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	4 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 /

Important note

Product information 1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW EN partitions

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	IECEX Certificate 16-AV4BO-0265U ATEX Certificate UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	NTI WDU/WPE 35N StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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Drawings



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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.	1061200000	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 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.	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203481	Allen-Bradley, white
Qty.	720 pc(s).	

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Accessories

W-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 16N GE BED	Version
Order No.	1083600000	Terminal cover, PA 66, yellow, Height: 39 mm, Width: 15.8 mm,
GTIN (EAN)	4032248032648	Depth: 5.51 mm
Qty.	50 pc(s).	

PEN bridges



Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Type	WQB PEN 35N	Version
Order No.	1079500000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190370121	Pitch in mm (P): 16.00, Insulated: No, 125 A, Silver grey
Qty.	10 pc(s).	

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Accessories

35 mm²

Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Type	WQV 35N/2	Version
Order No.	1079200000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190378295	Pitch in mm (P): 16.00, Insulated: Yes, 125 A, yellow
Qty.	20 pc(s).	
Type	WQV 35N/4	Version
Order No.	1079400000	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190378271	Pitch in mm (P): 16.00, Insulated: Yes, 125 A, yellow
Qty.	20 pc(s).	
Type	WQV 35N/3	Version
Order No.	1079300000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190378288	Pitch in mm (P): 16.00, Insulated: Yes, 125 A, yellow
Qty.	20 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.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 pc(s).	

W-Series



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	WTW EN	Version
Order No.	1058800000	Partition plate (terminal), Intermediate plate, 86 mm x 62 mm, dark
GTIN (EAN)	4008190140175	beige
Qty.	20 pc(s).	

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

Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

General ordering data

Type	TH-S 9-40	Version
Order No.	9008880000	socket wrenches
GTIN (EAN)	4032248266630	
Qty.	1 pc(s).	

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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.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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	STB 16/D7/4/M4 SAK35	Version
Order No.	0140200000	SAK Series, Socket
GTIN (EAN)	4008190134884	
Qty.	50 pc(s).	