Weidmüller ⧓

WDU 95N/120N IR

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, dark beige, 120 mm², 269 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid, 130 °C
Order No.	1393430000
Type	WDU 95N/120N IR
GTIN (EAN)	4050118293005
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	90 mm	Depth (inches)	3.543 inch
Depth including DIN rail	91 mm	Height	91 mm
Height (inches)	3.583 inch	Width	27 mm
Width (inches)	1.063 inch	Net weight	261.8 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °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	Installation advice	Direct mounting
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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Technical data

Conductors for clamping (rated connection)

Blade size	TX 40	Clamping range, max.	150 mm²
Clamping range, min.	16 mm²	Clamping screw	M 10
Connection cross-section, stranded, max.	150 mm²	Connection cross-section, stranded, min.	16 mm²
Connection direction	on side	Gauge to IEC 60947-1	B13
Number of connections	2	Stripping length	27 mm
Tightening torque, max.	20 Nm	Tightening torque, min.	12 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	kcmil 250
Wire connection cross section AWG, min.	AWG 4	Wire connection cross section, finely stranded, max.	120 mm²
Wire connection cross section, finely stranded, min.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	95 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	16 mm²		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	kcmil 250
Wire connection cross section AWG, min.	AWG 4		

Rating data

Rated cross-section	120 mm²	Rated voltage	1,000 V
Rated DC voltage	1,000 V	Rated current	269 A
Current at maximum wires	290 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.12 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	8.61 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Factory wiring min. (UR)	4 AWG	Conductor size Field wiring max. (UR)	250 kcmil
Conductor size Field wiring min. (UR)	4 AWG	Current size C (UR)	228 A
Voltage size C (UR)	1000 V	Wire cross section max. (UR)	250 kcmil
Wire cross section min. (UR)	4 AWG		

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
ECLASS 14.0	27-25-01-01		

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Technical data

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals	

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

Downloads

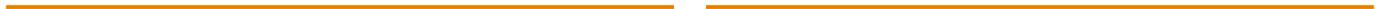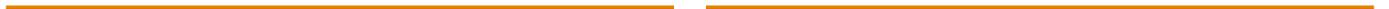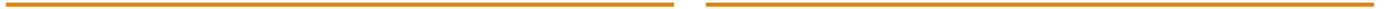|	
Approval/Certificate/Document of Conformity	UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	NTI WDU/WPE 95N/120 StorageConditionsTerminalBlocks Instruction Instruction User documentation WZAD
Catalogues	Catalogues in PDF-format

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Drawings

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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 snaped 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).	

WZAD

General ordering data

Type	WZAD 95N/120N	Version
Order No.	1859580000	Auxiliary connection (terminal), 6 mm², Number of connections: 1
GTIN (EAN)	4032248718429	
Qty.	5 pc(s).	

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Accessories

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).		

95/120 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 95N/120N/4	Version	
Order No.	1826910000	Cross-connector (terminal), when screwed in, Silver grey, 269 A,	
GTIN (EAN)	4032248329960	Number of poles: 4, Pitch in mm (P): 27.00, Insulated: No, Width: 9.5	
Qty.	5 pc(s).	mm	
Type	WQV 95N/120N/3	Version	
Order No.	1826900000	Cross-connector (terminal), when screwed in, Silver grey, 269 A,	
GTIN (EAN)	4032248329953	Number of poles: 3, Pitch in mm (P): 27.00, Insulated: No, Width: 9.5	
Qty.	5 pc(s).	mm	
Type	WQV 95N/120N/2	Version	
Order No.	1826890000	Cross-connector (terminal), when screwed in, Silver grey, 269 A,	
GTIN (EAN)	4032248329946	Number of poles: 2, Pitch in mm (P): 27.00, Insulated: No, Width: 9.5	
Qty.	5 pc(s).	mm	

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Accessories

DEK 5/8

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	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 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 15/5 MC NE WS	Version
Order No.	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 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 5/8 MC NE WS	Version	
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248400850	Weidmueller, white	
Qty.	800 pc(s).		

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 20 GE WSD	Version	
Order No.	9512260000	Terminal marking, yellow, Pitch in mm (P): 18.00, Printed characters:	
GTIN (EAN)	4008190403942	Symbols, horizontal, Width: 18 mm, Height: 48.5 mm	
Qty.	10 pc(s).		

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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 35/1	Version	
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C	
GTIN (EAN)	4008190172282		
Qty.	50 pc(s).		

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