

**W-Series
WDU 70/95****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

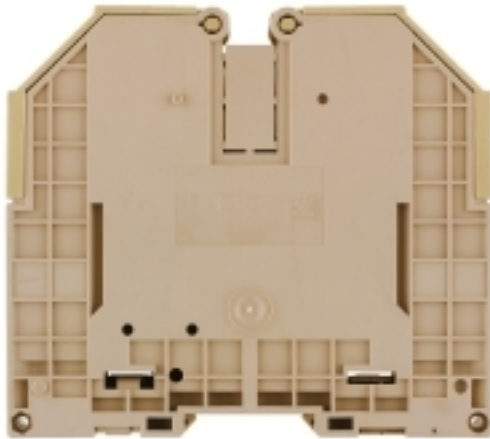
D-32758 Detmold

Germany

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**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WDU 70/95
Order No.	1024600000
Version	Feed-through terminal, Screw connection, 95 mm², 1000 V, 232 A, Dark Beige
GTIN (EAN)	4008190105990
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	27 mm	Width (inches)	1.063 inch
Height	132 mm	Height (inches)	5.197 inch
Depth	107 mm	Depth (inches)	4.213 inch
Depth including DIN rail	115.5 mm	Weight	340 g
Net weight	330.89 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	1100 V	Current (ATEX)	218 A
Wire cross section max. (ATEX)	95 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	218 A	Wire cross section max. (IECEX)	95 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex e II

System specifications

Version	Screw connection, for screwable cross-connection, closed	Tightening torque (clamping screw for copper conductors)	6...12 Nm
End cover plate required	No	Number of potentials	1
Number of levels	1	No. 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		

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, stranded, two clampable wires, min.	16 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	35 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	16 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	35 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	16 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	35 mm ²

Additional technical data

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

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Technical data
CSA rating data

Certificate No. (CSA)	12400-242	Current size B (CSA)	205 A
Current size C (CSA)	205 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	00 AWG
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (rated connection)

Blade size	S6 (DIN 6911)	Clamping range, rated connection, max.	120 mm ²
Clamping range, rated connection, min.	13.3 mm ²	Clamping screw	M 8
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	16 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	B12	Tightening torque, max.	12 Nm
Stripping length	30 mm	Type of connection	Screw connection
Tightening torque, min.	6 Nm	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section AWG, max.	AWG 2/0	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	95 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, finely stranded, max.	95 mm ²	Wire connection cross section, stranded, rated connection, max.	120 mm ²
Wire connection cross section, solid core, min. rated connection	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	50 mm ²
Wire connection cross section, stranded, rated connection, min.	16 mm ²		
	16 mm ²		
Wire connection cross-section, finely stranded, min.	16 mm ²		

Rating data

Rated cross-section	95 mm ²	Rated voltage	1,000 V
Rated current	232 A	Current at maximum wires	232 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.14 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

Strap connection

Band 1, No. of layers, max.	1 x 10: 16 x 0.8	Band 1, No. of layers, min.	4: 16 x 0.8
Band 2, No. of layers, max.	6: 9 x 0.8	Band 2, No. of layers, min.	3: 9 x 0.8

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	00 AWG
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	175 A
Voltage size C (UR)	1000 V		

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Technical data
Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.
Descriptive text accessories	Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU 70_95.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_233_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_WDU70-95_120-150.pdf NTI_IECEX_WDU-WPE 70_95.pdf

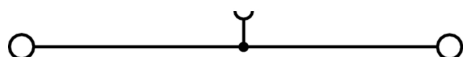
Safety note

Safety notice	Safety Information
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Drawings



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Accessories

WQV 70/95



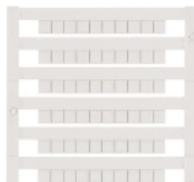
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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WQV 70/95/3	1063600000	W-Series, Cross-connector, For the terminals, No. of poles: 3	4008190187514	5 pc(s).
WQV 70/95/2	1063500000	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190028329	5 pc(s).

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC NE WS	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, White	4008190397111	1,000 pc(s).

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Accessories

End brackets



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	1059000000	W-Series, End bracket	4008190172282	50 pc(s).

Auxiliary connection



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WZAD 70/95	1066000000	W-Series, Additional connection	4008190017064	10 pc(s).

WAD 27



Blank cover for labelling with the STI. Cross-connection channels are covered. The WAD can also be supplied with a lightning symbol acc. to DIN 30600.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WAD 27 M. BL.	1062860000	Group marker, Cover, 64 x 27 mm, Pitch in mm (P): 27.00 Yellow	4008190127732	10 pc(s).

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Accessories

WAD 27	1062960000	Group marker, Cover, 64	4008190148225 10 pc(s).
NEUTRAL		x 27 mm, Pitch in mm (P): 27.00 White	

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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 12/5 MC	1609860000	WS, Terminal marker, 12 x	4008190203481	720 pc(s).
NE WS		5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White		