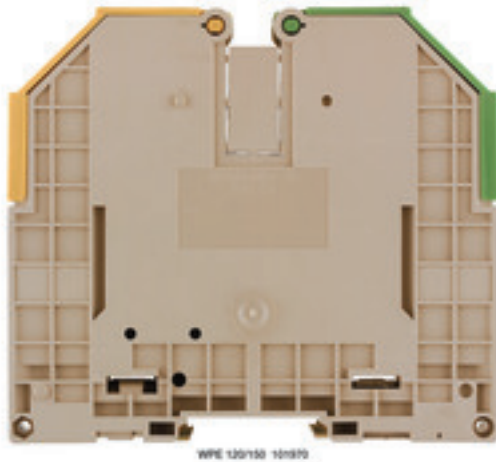


W-Series
WPE 120/150

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image

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	WPE 120/150
Order No.	1019700000
Version	PE terminal, Screw connection, 120 mm ² , 14400 A (120 mm ²), Green/yellow
GTIN (EAN)	4008190495671
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	32 mm	Width (inches)	1.26 inch
Height	132 mm	Height (inches)	5.197 inch
Depth	117 mm	Depth (inches)	4.606 inch
Depth including DIN rail	125.5 mm	Net weight	579.85 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Material data

Material	Wemid	Colour code	Green/yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Wire cross section max. (ATEX)	150 mm ²	Wire cross section max. (IECEX)	150 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, With PE connection, in closed state	Tightening torque (mounting screw)	3...6 Nm
Tightening torque (clamping screw for copper conductors)	10...20 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	Yes
Rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

Additional technical data

Explosion-tested version	Yes	Installation advice	when screwed in
Interlock	for screw fixing	Number of similar terminals	1
Open sides	closed	Type of mounting	when screwed in

CSA rating data

Certificate No. (CSA)	12400-382	Wire cross section max. (CSA)	250 kcmil
Wire cross section min. (CSA)	2 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	S6 (DIN 6911)	Clamping range, max.	150 mm ²
Clamping range, min.	33.62 mm ²	Clamping screw	M 10
Connection cross-section, stranded, max.	150 mm ²	Connection cross-section, stranded, min.	35 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B13
Number of connections	2	Stripping length	35 mm
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Type of connection	Screw connection	Wire connection cross section, finely stranded, max.	150 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	150 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	35 mm ²
Wire connection cross-section, finely stranded, min.	35 mm ²		

Dimensions

TS 35 offset	32 mm
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PE rating data

Rated short-time current	14400 A (120 mm ²)	Centre screw on PE terminals	M 6
Tightening torque range for fixing screw	3.0...6.0 Nm	PEN function	Yes

Rating data

Rated cross-section	120 mm ²	Rated voltage to adjoining terminal	1,000 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.12 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	250 kcmil
Conductor size Factory wiring min. (UR)	2 AWG	Conductor size Field wiring max. (UR)	250 kcmil
Conductor size Field wiring min. (UR)	2 AWG		

Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000901
UNSPSC	30-21-18-11	eClass 5.1	27-14-03-05
eClass 6.2	27-14-03-05	eClass 7.1	27-14-03-05
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

Product information

Descriptive text technical data	For 50 - 150 mm ² , the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.
Instructions for accessories	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	IECEX Certificate Attestation of Conformity DE_PT1002_20160414_249_ISSUE01.pdf ATEX Certificate
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	NTI WDU/WPE 120/150

Safety note

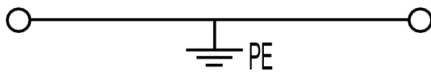
Safety notice [Safety Information](#)

Data sheet

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Drawings



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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	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC	1856740000	Dekafix, Terminal marker,	4032248400850	800 pc(s).
NE WS		5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, 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

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	Order No.	Version	GTIN (EAN)	Qty.
WS 12/6.5	1609920000	WS, Terminal marker, 12	4008190203511	540 pc(s).
MC NE WS		x 6.5 mm, Pitch in mm (P): 6.50 Weidmueller, Allen-Bradley, white		

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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).

Marking Holder



Spring connection with tension clamp Technology
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

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

Data sheet

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Accessories

WQV PEN



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WQV 120-PEN	1072400000	W-Series, Cross-connector, For the terminals, No. of poles: 2	4008190489724	5 pc(s).