WPE 10/ZR

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 easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	PE terminal, Screw connection, 10 mm², 1200 A (10 mm²), Green/yellow
Order No.	1042500000
Type	WPE 10/ZR
GTIN (EAN)	4032248285679
Qty.	50 pc(s).

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Weidmüller ⋽⋵

WPE 10/ZR

Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Depth including DIN rail	49.5 mm	Height	66 mm
Height (inches)	2.598 inch	Width	9.9 mm
Width (inches)	0.39 inch	Net weight	32.32 g

Temperatures

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

Material data

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

System specifications

Version	Screw connection, Additional connection, With PE connection, in closed state	End cover plate required	
			No
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	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	No

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm²

Additional technical data

Explosion-tested version	No	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)	200039-1057876	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	6 mm²
Clamping range, further connection, min.	0.33 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm²	Conductor cross-section, flexible, further connection, min.	0.5 mm²
Connection direction	on side	Connection type, additional connection	Screw connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 10	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	4 mm²	Cross-section for connected wire, multi-core, further connection, max.	4 mm²
Cross-section for connected wire, multi-core, further connection, min.	1.5 mm²	Cross-section for connected wire, solid-core, further connection, max.	6 mm²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm²	Number of connections, additional connection	1
Rated cross-section, further connection	4 mm²	Stripping length , additional connection	10 mm
Terminal screw, additional connection	M 3	Tightening torque, additional connection, max.	1 Nm
Tightening torque, additional connection, min.	0.5 Nm		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	16 mm²
Clamping range, min.	1.31 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	16 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	B6, A4
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.9 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, finely stranded, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1.5 mm²

Dimensions

TS 35 offset	32 mm

General

Installation advice	when screwed in	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14		

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Technical data

PE rating data

Rated short-time current	1200 A (10 mm²)	Centre screw on PE terminals	M 3
Tightening torque range for fixing screw	0.5...1.0 Nm	PEN function	No

Rating data

Rated cross-section	10 mm²	Rated voltage to adjoining terminal	1,000 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	1.82 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41		

Approvals

Approvals	

ROHS	Conform
UL File Number Search	E60693

Downloads

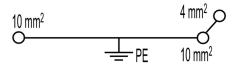|	
Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

10 mm^2 4 mm^2

PE 10 mm^2

WPE 10/ZR

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	W-Series, End bracket	
GTIN (EAN)	4008190030230		
Qty.	50 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	W-Series, Partition plate	
GTIN (EAN)	4008190140175		
Qty.	20 pc(s).		

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Weidmüller ⋺Ξ

WPE 10/ZR

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Germany

www.weidmueller.com

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).		

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000		Screwdriver, Screwdriver
GTIN (EAN)	4032248056286		
Qty.	1 pc(s).		

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WPE 10/ZR

Accessories

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

WS 12/6.5

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 12/6.5 MM WS	Version	
Order No.	2619930000	WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white	
GTIN (EAN)	4050118626155		
Qty.	600 pc(s).		

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Mouser Electronics

Authorized Distributor

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