

**W-Series**  
**WDU 240**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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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 240
Order No.	<a href="#">1802780000</a>
Version	Feed-through terminal, Screw connection, 240 mm <sup>2</sup> , 1000 V, 415 A, Dark Beige
GTIN (EAN)	4032248313723
Qty.	2 pc(s).

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**Technical data**
**Dimensions and weights**

Width	36 mm	Width (inches)	1.417 inch
Height	100 mm	Height (inches)	3.937 inch
Depth	123.7 mm	Depth (inches)	4.87 inch
Depth including DIN rail	124 mm	Net weight	472.5 g

**Temperatures**

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °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)	KEMA01ATEX2186U	Max. voltage (ATEX)	1100 V
Current (ATEX)	350 A	Wire cross section max. (ATEX)	240 mm <sup>2</sup>
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 aluminium conductors)	30 Nm
Tightening torque (clamping screw for copper conductors)	25...30 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 32, TS 35	N-function	No
PE function	No	PEN function	Yes

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

Cross-section for connected wire, stranded, two clampable wires, min.	35 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	95 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	50 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	95 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	50 mm <sup>2</sup>

**Additional technical data**

Explosion-tested version	Yes	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)	213329	Current size C (CSA)	400 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	500 kcmil
Wire cross section min. (CSA)	0 AWG		

**Conductors for clamping (rated connection)**

Blade size	S8 (DIN 6911)	Clamping range, rated connection, max.	240 mm <sup>2</sup>
Clamping range, rated connection, min.	70 mm <sup>2</sup>	Clamping screw	M 10
Connection direction	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	70 mm <sup>2</sup>
Gauge to IEC 60947-1	B15	Number of connections	2
Stripping length	40 mm	Tightening torque, max.	30 Nm
Tightening torque, min.	25 Nm	Type of connection	Screw connection
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	185 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	70 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	240 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	240 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	70 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	185 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	70 mm <sup>2</sup>		

**Rating data**

Rated cross-section	240 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	415 A	Current at maximum wires	415 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.08 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E175455	Current size C (UR)	380 A
Voltage size C (UR)	600 V	Wire cross section max. (UR)	500 kcmil

**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	1000 VDC rated voltage tested.
Descriptive text technical data	Copper straps can be used; see online catalogue for possible connections.

**Data sheet****W-Series  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity

[CFAT\\_WDU 240.pdf](#)  
[CB Test Zertifikat](#)  
[CB Zertifikat](#)  
[DE\\_PT1001\\_20160418\\_789\\_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN\\_WSCAD\\_Zuken E3.S](#)

User Documentation

[Cross Connection Guide](#)**Safety note**

Safety notice

[Safety Information](#)

**Data sheet**

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**Drawings**

