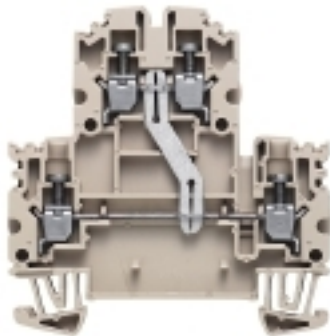


**W-Series
WDK 2.5N V**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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	WDK 2.5N V
Order No.	1041610000
Version	Double-tier terminal, Screw connection, 2.5 mm ² , 800 V, 24 A, dark beige
GTIN (EAN)	4032248138746
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	61 mm	Height (inches)	2.402 inch
Depth	62 mm	Depth (inches)	2.441 inch
Depth including DIN rail	62.45 mm	Net weight	12.284 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA00ATEX2061U	Certificate No. (IECEX)	IECEXULD15.0003U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	4 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, for plug-in cross-connector, Vertically cross-connected, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
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	No

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

Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

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Technical data**CSA rating data**

Certificate No. (CSA)	200039-1057876
Current size D (CSA)	5 A
Voltage size D (CSA)	600 V
Wire cross section min. (CSA)	26 AWG

Current size C (CSA)	20 A
Voltage size C (CSA)	300 V
Wire cross section max. (CSA)	12 AWG

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, min.	0.05 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection direction	on side
Number of connections	4
Tightening torque, max.	0.6 Nm
Torque level with DMS electric screwdriver	1
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	4 mm ²

Clamping range, max.	4 mm ²
Clamping screw	M 2.5
Connection cross-section, stranded, min.	1.5 mm ²
Gauge to IEC 60947-1	A3
Stripping length	8 mm
Tightening torque, min.	0.4 Nm
Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 30
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

Rating data

Rated cross-section	2.5 mm ²
Rated current	24 A
Standards	IEC 60947-7-1
Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3

Rated voltage	800 V
Current at maximum wires	28 A
Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV

Classifications

ETIM 6.0	EC000897
eClass 9.0	27-14-11-20
eClass 10.0	27-14-11-20

ETIM 7.0	EC000897
eClass 9.1	27-14-11-20
UNSPSC	30-21-18-11

Approvals

Approvals



ATEX



IEC EX



ATEX - KEMA

ROHS

Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate DE_PT1001_20160418_713_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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Drawings

