

WDK 2.5N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Double-tier terminal, Screw connection, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1041600000
Type	WDK 2.5N
GTIN (EAN)	4032248138807
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	62 mm	Depth (inches)	2.441 inch
Depth including DIN rail	62.45 mm	Height	61 mm
Height (inches)	2.402 inch	Net weight	11.057 g
Width	5.1 mm	Width (inches)	0.201 inch

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1346U	ATEX certificate	KEMA00ATEX2061U_e.pdf
ATEX certificate	KEMA00ATEX2061U_d.pdf	Certificate No. (IECEX)	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	4 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	20 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	2.5 mm ²		
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, One end without connector	End cover plate required	Yes
Number of potentials	2	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 with wire-end ferrules DIN 46228/1, 2 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, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two 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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CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	20 A
Current size D (CSA)	5 A	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	8 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section, finely stranded, max.	4 mm ²	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 46228/1, min.	0.5 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 with wire-end ferrules DIN 46228/4, min.	2.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

Number of poles	0	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30		

Rating data

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm ²
Rated voltage	800 V	Rated current	24 A
Current at maximum wires	28 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	2.66 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

UL_current_Print	20 A	UL_voltage_Print	600 V
UL_wire_max_Print	12 AWG	UL_wire_min_Print	26 AWG

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Technical data**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

Approvals

Approvals



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Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[StorageConditionsTerminalBlocks](#)
[NTI WDK 2.5 WPE 2.5N PE](#)
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Drawings

