



General ordering data

Material number	1023700000
Part designation	WDU 2.5N
Version	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige
EAN	4008190103484
Qty.	100 pc(s).

Product notes

Note, ordering data	For colours available see section W-series accessories "Specific functions"
Note, technical data	2.5 mm ² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)
Note, accessories	Socket and test plug, see section "W-series accessories"
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

Approvals

Approvals institutes	CSA; DEMKO; DETNORVER; GERMLLOYD; GOSTEX; IECEXULD; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; RINA; UR; GOSTME25
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IECEX/ATEX rating data

Certificate no.	KEMA98ATEX1683U
ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf
Certificate no.	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf
max. voltage	440 V
Current (ATEX)	21 A
Conductor cross-section, max.	2.5 mm ²

IECEX/ATEX rating data

max. voltage	440 V
Current (IECEX)	20 A
Conductor cross-section, max.	2.5 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

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

Conductor cross-section, solid, 2 clampable conductor	0.5 mm ²
Conductor cross-section, solid, max.	1.5 mm ²
Conductor cross-section, flexible, 2 clampable conductor, min.	0.5 mm ²
Conductor cross-section, flexible, 2 clampable conductor, max.	1.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	1.5 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End cover plate required	Yes
Explosion-tested version	Yes
Flammability class UL 94	V-0
Insulating material	Wemid
Levels cross-connected internally	No
No. of clamping points per level	2
Number of identical terminals	1
Number of levels	1
Open sides	right
Operating temperature range, max.	120 °C
Operating temperature range, min.	-50 °C
Product family	W terminal with screw connection
Type of connection	Screw connection
Type of mounting	Snap-on

CSA rating data

Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 12

Conductors for clamping (additional connection)

Rated current	24 A
Type of connection	Screw connection
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm

Conductors for clamping (additional connection)

Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 12

Conductors for clamping (rated connection)

Clamping range, min.	0.05 mm ²
Clamping range, max.	4 mm ²
Type of connection	Screw connection
Connection direction	on side
No. of connections	2
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm
Torque setting with DMS electric screwdriver	1
Gauge to IEC 60947-1	A3
Conductor cross-section, solid, min.	0.5 mm ²
Conductor cross-section, solid, max.	4 mm ²
Conductor cross-section, stranded, rated connection, min.	1.5 mm ²
Conductor cross-section, stranded, rated connection, max.	4 mm ²
Conductor cross-section, flexible, max.	4 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	2.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	2.5 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	1.5 mm ²
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 12

Dimensions

Width	5.1 mm
Height of lowest version	37.5 mm
Length	44 mm
Weight	6.2 g
TS 32 offset	40 mm

Disconnect terminals

Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm
Torque setting with DMS electric screwdriver	1

Rating data

Rated cross-section	2.5 mm ²
Rated voltage	500 V
Rated impulse withstand voltage	6 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

Stud connection

Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm

UL rating data

Min. cross-section (UL)	AWG 30
Max. cross-section (UL)	AWG 12

Downloads

STEP	1023700000_14633_WDU_2.5N_STP.stp
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Classifications

ETIM20	EC000897
ETIM30	EC000897
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20

Similar products

Order No.	Part designation	Version
1023780000	WDU 2.5N BL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue, Direct mounting
1023720000	WDU 2.5N GN WAP GE	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, green, Direct mounting
1023760000	WDU 2.5N OR	Feed-through terminal, 2.5 mm ² , Screw connection, Polyamide, Orange, Direct mounting
1040800000	WDU 2.5N ZQV	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, Direct mounting
1040880000	WDU 2.5N ZQV BL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue, Direct mounting
1730940000	WDU 2.5N/600UL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, Direct mounting