



General ordering data

Material number	1020000000
Part designation	WDU 2.5
Version	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige
EAN	4008190099633
Qty.	100 pc(s).

Product notes

Note, ordering data	Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.
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". Ensure 2.5 mm ² max. when using the WQB. Shielding rail LS 2.8 1056400000.
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; CSAEX; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; RINA; UR; BURVER; 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

IECEX/ATEX rating data

max. voltage	550 V
Current (ATEX)	21 A
Conductor cross-section, max.	2.5 mm ²
max. voltage	550 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
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Conductors for clamping (additional connection)

Type of connection	Screw connection
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm
Conductor connection cross-section AWG, min.	AWG 30
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.	0.8 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 30
Conductor connection cross-section AWG, max.	AWG 12

Dimensions

Width	5.1 mm
Height of lowest version	47 mm
Length	60 mm
Weight	8.03 g

Disconnect terminals

Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm
Torque setting with DMS electric screwdriver	1

Disconnect terminals

Rating data

Rated cross-section	2.5 mm ²
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

Stud connection

Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm

UL rating data

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

Downloads

DXF	09252_WDU_2.5_DXF.dxf
STEP	1020000000_09252_WDU_2.5_STP.stp

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
1037710000	WDU 2.5 BR	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, brown
1020060000	WDU 2.5 OR	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, Orange
1020040000	WDU 2.5 RT	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, red
1020080000	WDU 2.5 BL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue
1020090000	WDU 2.5 GN	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, green
1020010000	WDU 2.5 SW	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, black
1020020000	WDU 2.5 GE	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, yellow
1037720000	WDU 2.5 GR	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, grey
1037700000	WDU 2.5 PA/VI	Feed-through terminal, 2.5 mm ² , Screw connection, PA 66, violet
1036800000	WDU 2.5 WS	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, white
1020700000	WDU 2.5/10 BEZ	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige
1020800000	WDU 2.5/10 BEZ/NE	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige
1020050000	WDU 2.5 WAP/GG	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, green/yellow

1024700000	WDU 2.5/1.5/ZR	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige
1024780000	WDU 2.5/1.5/ZR BL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue