



General ordering data

Material number	1020300000
Part designation	WDU 10
Version	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige
EAN	4008190068868
Qty.	50 pc(s).

Product notes

Note, ordering data	For colours available see section W-series accessories "Specific functions"
Note, technical data	Note max. current of terminal (76 A) when using WQV! AWG 6/7 and H07V-R16 tightened with 2.4 Nm.
Note, accessories	Socket and test plug, see section "W Series accessories", shielding rail LS 2.8 1056400000.

Product notes

Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
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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
max. voltage	550 V
Current (ATEX)	50 A
Conductor cross-section, max.	10 mm ²
max. voltage	550 V
Current (IECEX)	50 A
Conductor cross-section, max.	10 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	1 mm ²
Conductor cross-section, solid, max.	6 mm ²
Conductor cross-section, flexible, 2 clampable conductor, min.	1 mm ²
Conductor cross-section, flexible, 2 clampable conductor, max.	6 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	1 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	6 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End cover plate required	No
Explosion-tested version	Yes
Flammability class UL 94	V-0
Insulating material	Wemid
Levels cross-connected internally	No

Additional technical data

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 16
Max. cross-section (CSA)	AWG 6

Conductors for clamping (additional connection)

Rated current	57 A
Type of connection	Screw connection
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.5 N-m
Conductor connection cross-section AWG, min.	AWG 16
Conductor connection cross-section AWG, max.	AWG 6

Conductors for clamping (rated connection)

Clamping range, min.	1.31 mm ²
Clamping range, max.	16 mm ²
Type of connection	Screw connection
Connection direction	on side
No. of connections	2
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.5 N-m
Torque setting with DMS electric screwdriver	4
Gauge to IEC 60947-1	B6
Conductor cross-section, solid, min.	1.5 mm ²
Conductor cross-section, solid, max.	16 mm ²
Conductor cross-section, stranded, rated connection, min.	1.5 mm ²
Conductor cross-section, stranded, rated connection, max.	16 mm ²
Conductor cross-section, flexible, max.	6 mm ²
Conductor cross-section, flexible plus plastic collar	1.5 mm ²
DIN 46228/1, rated connection, min.	
Conductor cross-section, flexible plus plastic collar	16 mm ²
DIN 46228/1, rated connection, max.	
Conductor cross-section, flexible AEH plus plastic collar	1.5 mm ²
DIN 46228/4, rated connection, min.	

Conductors for clamping (rated connection)

Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	16 mm ²
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire-end ferrule, max.	6 mm ²
Conductor connection cross-section AWG, min.	AWG 16
Conductor connection cross-section AWG, max.	AWG 6

Dimensions

Width	9.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	18.46 g

Disconnect terminals

Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.5 N-m
Torque setting with DMS electric screwdriver	4

Rating data

Rated cross-section	10 mm ²
Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV
Rated current	57 A
Standards	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

Stud connection

Tightening torque, max.	2.4 Nm
Tightening torque, min.	1.5 N-m

UL rating data

Min. cross-section (UL)	AWG 18
Max. cross-section (UL)	AWG 6

Downloads

DXF	09255_WDU_10_DXF.dxf
STEP	1020300000_09255_WDU_10_GN_WAP_GE_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
1020380000	WDU 10 BL	Feed-through terminal, 10 mm ² , Screw connection, Wemid, blue
1833340000	WDU 10 GN	Feed-through terminal, 10 mm ² , Screw connection
1020350000	WDU 10 GN WAP GE	Feed-through terminal, 10 mm ² , Screw connection, Wemid, green
1020360000	WDU 10 OR	Feed-through terminal, 10 mm ² , Screw connection, Polyamide, Orange
1020340000	WDU 10 RT	Feed-through terminal, 10 mm ² , Screw connection
1020310000	WDU 10 SW	Feed-through terminal, 10 mm ² , Screw connection, Wemid, black
1042400000	WDU 10/ZR	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige
1042480000	WDU 10/ZR BL	Feed-through terminal, 10 mm ² , Screw connection, Wemid, blue