



General ordering data

Order No.	1020300000
Part designation	WDU 10
Version	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige, TS 35
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.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Note, accessories	Socket and test plug, see section "W Series accessories", shielding rail LS 2.8 1056400000.

PT OKIECEX/ATEX rating data

EU-type examination certificate	KEMA98ATEX1683U
Download, German	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
IECEX Certificate of Conformity	IECEXULD05.0008U
Download	IECEXULD05.0008U_e.pdf
ATEX voltage	550 V
ATEX current	50 A
ATEX conductor cross-section	10 mm ²
IECEX voltage	550 V
IECEX current	50 A
IECEX conductor cross-section	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

PT OKIECEEx/ATEX rating data

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)

Solid, min.	1 mm ²
Solid, max.	6 mm ²
Flexible, min.	1 mm ²
Flexible, max.	6 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	1 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	6 mm ²

Additional technical data

Colour of insulating material	dark beige
Connection direction	on side
End plate required	No
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35
Insulating material	Wemid
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2
Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Feed-through terminal

CSA rating data

Voltage (CSA)	600 V
CSA current	65 A
Min. cross-section (CSA)	AWG 16
Max. cross-section (CSA)	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
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	12 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	1.2...2.4 Nm
Torque level with DMS electric screwdriver	4
Gauge to IEC 60947-1	B6
Solid, min.	1.5 mm ²

Conductors for clamping (rated connection)

Solid, max.	16 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	16 mm ²
Flexible, min.	1 mm ²
Flexible, max.	6 mm ²
Flexible with ferrule, min. (DIN 46228/1)	1.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	16 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm ²
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire end ferrule, max.	6 mm ²
AWG conductor size, min.	AWG 16
AWG conductor size, max.	AWG 6
AWG conductor size, min.	1.31 mm ²
AWG conductor size, max.	13.3 mm ²

Dimensions

Width	9.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	18.46 g
TS 35 offset	32 mm

Disconnect terminals

Torque level with DMS electric screwdriver	4
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Rating data

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

UL rating data

Voltage (UL)	600 V
Current (UL)	65 A
Min. cross-section (UL)	AWG 18
Max. cross-section (UL)	AWG 6

Approvals

Approvals institutes



Downloads

DXF	09255_WDU_10_DXF.dxf
STEP	1020300000_09255_WDU_10_GN_WAP_GE_STP.stp

Classifications

ETIM 2.0	EC000897
ETIM 3.0	EC000897
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	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, TS 35
1020350000	WDU 10 GN WAP GE	Feed-through terminal, 10 mm ² , Screw connection, Wemid, green, TS 35
1042400000	WDU 10/ZR	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige, TS 35
1042480000	WDU 10/ZR BL	Feed-through terminal, 10 mm ² , Screw connection, Wemid, blue, TS 35