



### General ordering data

Order No.	1020300000
Short text for material	WDU 10
EAN	4008190068868
Qty	50

### IEC/EN 60079-7 rating data

Certificate No.	KEMA98ATEX1683U
ATEX certificate	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
Certificate No.	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf
max. voltage	550 V
Current	50 A
Conductor cross-section, max.	10 mm <sup>2</sup>
max. voltage	550 V
Current	50 A
Conductor cross-section, max.	10 mm <sup>2</sup>
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

### Additional technical data

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

#### CSA rating data

CSA current	65 A
Min. cross-section (CSA)	AWG 16
Voltage CSA	600 V
Max. cross-section (CSA)	AWG 6

#### Conductors for clamping (1) with equal cross-section (rated connection)

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

#### Conductors for clamping (rated connection)

Stripping length	12 mm
Type of connection	Screw connection
Flexible, min.	1,5 mm <sup>2</sup>
2nd type of connection	screwed
Solid, min.	1,5 mm <sup>2</sup>
Twin wire-end ferrule, min.	1,50 mm <sup>2</sup>
Twin wire end ferrule, max.	6,00 mm <sup>2</sup>
No. of connections	2
Torque level with DMS electric screwdriver	4
Tightening torque range	1.2...2.4 Nm
Solid, max.	16 mm <sup>2</sup>
Flexible, max.	16 mm <sup>2</sup>
flexible w. ferrule AEH, max. DIN 46228-1	16 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
flexible w. ferrule AEH, min. DIN 46228-1	1,5 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	1,5 mm <sup>2</sup>
Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	0,82 mm <sup>2</sup>
Clamping screw	M4
Blade size	1.0 x 5.5 mm
Gauge to IEC 60947-1	B6
AWG conductor size, max.	13,30 mm <sup>2</sup>
AWG conductor size, max.	AWG 6
Stranded, max.	16 mm <sup>2</sup>
Stranded, min.	1,5 mm <sup>2</sup>
AWG conductor size, min.	1,31 mm <sup>2</sup>
AWG conductor size, min.	AWG 16
Connection direction	on side

### Dimensions

Weight	18,46 g
TS 35 offset	15 mm
Height of lowest version	47 mm
Length	60 mm
Width	9,9 mm

### Disconnect terminals

Torque level with DMS electric screwdriver	4
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### Rating data

Rated cross-section	10 mm <sup>2</sup>
Rated voltage	1000 V
Rated impulse withstand voltage	8 kV
Rated current	57 A
Norm	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

### UL rating data

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

### Approvals

Approvals CSA;GOST;0344;UL/UR;EX;CE;

Approvals



### Approvals

Approvals



### Downloads

DXF	09255_WDU_10_DXF.dxf
STEP	1020300000_09255_WDU_10_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

Identical profiles from 2.5 to 10 mm<sup>2</sup> with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

#### Related products

Order No.	Short text for material
1020380000	WDU 10 BL
1020350000	WDU 10 GN WAP GE
1020360000	WDU 10 OR
1042400000	WDU 10/ZR
1042480000	WDU 10/ZR BL