



#### General ordering data

Order No.	1020000000
Short text for material	WDU 2.5
EAN	4008190099633
Qty	100

#### 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	21 A
Conductor cross-section, max.	2.5 mm <sup>2</sup>
max. voltage	550 V
Current	20 A
Conductor cross-section, max.	2.5 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	Yes

#### CSA rating data

CSA current	20 A
Min. cross-section (CSA)	AWG 26
Voltage CSA	600 V
Max. cross-section (CSA)	AWG 12

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

Flexible with ferrule, max. (DIN 46228 pt 1)	1,5 mm <sup>2</sup>
Solid, min.	0,5 mm <sup>2</sup>
Solid, max.	1,5 mm <sup>2</sup>
Flexible, max.	1,5 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228 pt 1)	0,5 mm <sup>2</sup>
Flexible, min.	0,5 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Stripping length	10 mm
Type of connection	Screw connection
No. of connections	2
Torque level with DMS electric screwdriver	1
Twin wire-end ferrule, min.	0,50 mm <sup>2</sup>
Twin wire end ferrule, max.	1,50 mm <sup>2</sup>
Gauge to IEC 60947-1	A3
AWG conductor size, max.	3,31 mm <sup>2</sup>
AWG conductor size, max.	AWG 12
Stranded, max.	4 mm <sup>2</sup>
Stranded, min.	1,5 mm <sup>2</sup>
AWG conductor size, min.	0,05 mm <sup>2</sup>
AWG conductor size, min.	AWG 30
Flexible, min.	0,5 mm <sup>2</sup>
2nd type of connection	screwed
Solid, min.	0,5 mm <sup>2</sup>
Tightening torque range	0.4...0.8 Nm
Solid, max.	4 mm <sup>2</sup>
Flexible, max.	4 mm <sup>2</sup>
flexible w. ferrule AEH, max. DIN 46228-1	2,5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2,5 mm <sup>2</sup>
flexible w. ferrule AEH, min. DIN 46228-1	0,5 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0,5 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0,05 mm <sup>2</sup>
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Connection direction	on side

### Dimensions

Height of lowest version	47 mm
Length	60 mm
Width	5,1 mm
Weight	8,03 g
TS 35 offset	15 mm

### Disconnect terminals

Torque level with DMS electric screwdriver	1
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### Rating data

Rated cross-section	2,5 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	24 A
Norm	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

### UL rating data

Voltage UL	600 V
Current (UL)	25 A
Max. cross-section (UL)	AWG 12
Min. cross-section (UL)	AWG 30

### Approvals

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

Approvals



### Approvals

Approvals



### Downloads

DXF	09252_WDU_2.5_DXF.dxf
STEP	1020000000_09252_WDU_2.5_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
1020080000	WDU 2.5 BL
1020090000	WDU 2.5 GN
1020010000	WDU 2.5 SW
1020020000	WDU 2.5 GE
1037720000	WDU 2.5 GR
1037700000	WDU 2.5 PA/VI
1036800000	WDU 2.5 WS
1020700000	WDU 2.5/10 BEZ
1020800000	WDU 2.5/10 BEZ/NE
1020050000	WDU 2.5 WAP/GG
1024700000	WDU 2.5/1.5/ZR
1024780000	WDU 2.5/1.5/ZR BL