



### General ordering data

Order No.	1020200000
Short text for material	WDU 6
EAN	4008190163440
Qty	100

### IEC/EN 60079-7 rating data

Certificate No.	KEMA98ATEX1683U
ATEX certificate	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
Certificate No.	IECECULD05.0008U
max. voltage	550 V
Current	36 A
Conductor cross-section, max.	6 mm <sup>2</sup>
max. voltage	550 V
Current	36 A
Conductor cross-section, max.	6 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	50 A
Min. cross-section (CSA)	AWG 22
Voltage CSA	600 V
Max. cross-section (CSA)	AWG 8

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

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

#### Conductors for clamping (rated connection)

Flexible, min.	0,5 mm <sup>2</sup>
2nd type of connection	screwed
Solid, min.	0,5 mm <sup>2</sup>
Twin wire-end ferrule, min.	0,50 mm <sup>2</sup>
Twin wire end ferrule, max.	4,00 mm <sup>2</sup>
Stripping length	12 mm
Type of connection	Screw connection
No. of connections	2
Torque level with DMS electric screwdriver	3
Tightening torque range	0.8...1.6 Nm
Solid, max.	10 mm <sup>2</sup>
Flexible, max.	10 mm <sup>2</sup>
flexible w. ferrule AEH, max. DIN 46228-1	6 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 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.	10 mm <sup>2</sup>
Clamping range, min.	0,33 mm <sup>2</sup>
Clamping screw	M 3.5
Blade size	4.0 x 0.8 mm
Gauge to IEC 60947-1	A5
AWG conductor size, max.	8,37 mm <sup>2</sup>
AWG conductor size, max.	AWG 8
Stranded, max.	10 mm <sup>2</sup>
Stranded, min.	1,5 mm <sup>2</sup>
AWG conductor size, min.	0,13 mm <sup>2</sup>
AWG conductor size, min.	AWG 26
Connection direction	on side

#### Dimensions

Weight	14,80 g
TS 35 offset	15 mm
Height of lowest version	47 mm
Length	60 mm
Width	7,9 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	3
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### Rating data

Rated cross-section	6 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	41 A
Norm	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

### UL rating data

Current (UL)	50 A
Voltage UL	600 V
Max. cross-section (UL)	AWG 8
Min. cross-section (UL)	AWG 22

### Approvals

Approvals



### Approvals

Approvals



### Downloads

STEP	1020200000_09254_WDU_6_STP.s
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### 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
1020280000	WDU 6 BL
1020260000	WDU 6 OR
1020240000	WDU 6 RT
1020210000	WDU 6 SW