



General ordering data

Order No.	1020100000
Short text for material	WDU 4
EAN	4008190150617
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	690 V
Current	28 A
Conductor cross-section, max.	4 mm ²
max. voltage	690 V
Current	28 A
Conductor cross-section, max.	4 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

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

Voltage CSA	600 V
CSA current	35 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

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

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

Conductors for clamping (rated connection)

Stripping length	10 mm
Type of connection	Screw connection
No. of connections	2
Torque level with DMS electric screwdriver	2
Tightening torque range	0.5...1.0 Nm
Twin wire-end ferrule, min.	0,50 mm ²
Twin wire end ferrule, max.	2,50 mm ²
Solid, max.	6 mm ²
Flexible, max.	6 mm ²
flexible w. ferrule AEH, max. DIN 46228-1	4 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
flexible w. ferrule AEH, min. DIN 46228-1	0,5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0,5 mm ²
Clamping range, max.	6 mm ²
Clamping range, min.	0,13 mm ²
Clamping screw	M3
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A4
AWG conductor size, max.	5,26 mm ²
AWG conductor size, max.	AWG 10
Stranded, max.	6 mm ²
Stranded, min.	1,5 mm ²
AWG conductor size, min.	0,13 mm ²
AWG conductor size, min.	AWG 26
Flexible, min.	0,5 mm ²
2nd type of connection	screwed
Solid, min.	0,5 mm ²
Connection direction	on side

Dimensions

Weight	10,40 g
TS 35 offset	15 mm
Height of lowest version	47 mm
Length	60 mm
Width	6,1 mm

Disconnect terminals

Torque level with DMS electric screwdriver	2
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Rating data

Rated cross-section	4 mm ²
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	32 A
Norm	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

UL rating data

Voltage UL	600 V
Current (UL)	35 A
Max. cross-section (UL)	AWG 10
Min. cross-section (UL)	AWG 22

Approvals

Approvals



Approvals

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

Approvals

Approvals



Downloads

STEP	1020100000_09253_WDU_4_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 mm² 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
1020180000	WDU 4 BL
1037810000	WDU 4 BR
1020120000	WDU 4 GE
1020160000	WDU 4 GN
1037800000	WDU 4 GR
1036760000	WDU 4 OR
1020140000	WDU 4 RT
1020110000	WDU 4 SW
1036700000	WDU 4 WS
1021000000	WDU 4/10
1020900000	WDU 4/10/BEZ