

General ordering data

Order No.	1020010000
Short text for material	WDU 2.5 SW
EAN	4008190297749
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 ²
max. voltage	550 V
Current	20 A
Conductor cross-section, max.	2.5 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

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

CSA rating data

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

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

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

Conductors for clamping (rated connection)

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

Dimensions

Weight	7,94 g
Length	60 mm
Height of lowest version	47 mm
Width	5,1 mm
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 ²
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
Min. cross-section (UL)	AWG 30
Max. cross-section (UL)	AWG 12

Approvals

Approvals



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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
1020000000	WDU 2.5
1020080000	WDU 2.5 BL
1020090000	WDU 2.5 GN
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