



General ordering data

Order No.	1020500000
Short text for material	WDU 35
EAN	4008190077013
Qty	40

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	109 A
Conductor cross-section, max.	35 mm ²
max. voltage	690 V
Current	109 A
Conductor cross-section, max.	35 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

CSA current	120 A
Min. cross-section (CSA)	AWG 12
Voltage CSA	600 V
Max. cross-section (CSA)	AWG 2

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

Flexible, min.	2,5 mm ²
Stranded, min.	16 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm ²
Stranded, max.	16 mm ²
Solid, max.	10 mm ²
Flexible, max.	16 mm ²
Solid, min.	2,5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	2,5 mm ²

Conductors for clamping (rated connection)

AWG conductor size, min.	3,31 mm ²
AWG conductor size, min.	AWG 12
Flexible, min.	2,5 mm ²
2nd type of connection	screwed
Solid, min.	2,5 mm ²
Twin wire-end ferrule, min.	1,50 mm ²
Twin wire end ferrule, max.	16,00 mm ²
Stripping length	18 mm
Type of connection	Screw connection
No. of connections	2
Tightening torque range	4.0...5.0 Nm
Solid, max.	16 mm ²
Flexible, max.	35 mm ²
flexible w. ferrule AEH, max. DIN 46228-1	35 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	35 mm ²
flexible w. ferrule AEH, min. DIN 46228-1	2,5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	2,5 mm ²
Clamping range, max.	50 mm ²
Clamping range, min.	2,5 mm ²
Clamping screw	M6
Blade size	6.5 x 1.2 mm
Gauge to IEC 60947-1	B8
AWG conductor size, max.	42,41 mm ²
AWG conductor size, max.	AWG 1/0
Stranded, max.	50 mm ²
Stranded, min.	2,5 mm ²
Connection direction	on side

Dimensions

Weight	54,00 g
TS 35 offset	15 mm
Height of lowest version	63 mm
Length	60 mm
Width	16 mm

Rating data

Rated cross-section	35 mm ²
Rated voltage	1000 V
Rated impulse withstand voltage	8 kV
Rated current	125 A
Norm	IEC 60947-7-1
Current with max. conductor	150 A
Pollution severity	3

Strap connection

Strap 1, max.	6 layers 9 x 0.8
Strap 2, min.	9 x 9 x 0,8
Strap 1, min.	3 layers 9 x 0.8

UL rating data

Max. cross-section (UL)	AWG 1
Min. cross-section (UL)	AWG 12
Current (UL)	150 A
Voltage UL	1000 V

Approvals

Approvals



Approvals

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

Approvals

Approvals



Downloads

STEP	1020500000_09257_WDU_35_STP.
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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
1020580000	WDU 35 BL
1020600000	WDU 35/IK
1020680000	WDU 35/IK BL
1029000000	WDU 35/IK/ZA
1028800000	WDU 35/ZA
1028880000	WDU 35/ZA BL