



General ordering data

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

Product notes

Note, ordering data

Order No. 1020500000 and 1020580000 (blue) versions without spigot (40 pcs)

Note, technical data

Copper straps can be used, possible connections: 3 to 9 layers 9 x 0.8 mm, see online catalogue.

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

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

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

Conductors for clamping (rated connection)

Stripping length	18 mm
Type of connection	Screw connection
No. of connections	2
Twin wire-end ferrule, min.	1,50 mm ²
Zwillings-AEH, max.	16,00 mm 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	M 6
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
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
Connection direction	on side

Dimensions

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

EN 60079-7 rating data

Marking ATEX Directive 94/9/EC	II 2 G D
Voltage at cross-connection DU+QV skipping	110 V
Marking ATEX Directive 94/9/EC	Ex II 2 G D
Voltage at cross-connection DU+QV/PE	750 V
Current Ex e	109 A
Marking EN 60079-7	Ex e II
Voltage Ex e	690 V
EC conformity verification certificate	KEMA 98ATEX1683 U
Voltage at cross-connection DU+QV/DU	750 V

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

UL rating data

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

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