



General ordering data

Order No.	1020500000
Part designation	WDU 35
Version	Feed-through terminal, 35 mm ² , Screw connection, Wemid, dark beige, TS 35
EAN	4008190077013
Qty.	40 pc(s).

Product notes

Note, ordering data	
Note, technical data	The tightening torque is 4.5 Nm for 16 - 50 mm ² and AWG 6 - 2/7 stranded conductors. Copper straps can be used; possible connections: 3 to 9 layers 9 x 0.8 mm.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Note, accessories	Socket and test plug, see section "W-series accessories"

PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA98ATEX1683U
Download, German	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
IECEX Certificate of Conformity	IECEXULD05.0008U
Download	IECEXULD05.0008U_e.pdf
ATEX voltage	690 V
ATEX current	109 A
ATEX conductor cross-section	35 mm ²
IECEX voltage	690 V
IECEX current	109 A
IECEX conductor cross-section	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

PT OKIEEx/ATEX rating data

Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Solid, min.	2.5 mm ²
Solid, max.	10 mm ²
Stranded, min.	16 mm ²
Stranded, max.	16 mm ²
Flexible, min.	2.5 mm ²
Flexible, max.	16 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	2.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm ²

Additional technical data

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

CSA rating data

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

Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm ²
Clamping range, max.	50 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	18 mm
Clamping screw	M 6
Blade size	6.5 x 1.2 mm
Tightening torque range	4.0...5.0 Nm
Gauge to IEC 60947-1	B8

Conductors for clamping (rated connection)

Solid, min.	2.5 mm ²
Solid, max.	16 mm ²
Stranded, min.	2.5 mm ²
Stranded, max.	50 mm ²
Flexible, min.	2.5 mm ²
Flexible, max.	35 mm ²
Flexible with ferrule, min. (DIN 46228/1)	2.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	35 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	35 mm ²
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire end ferrule, max.	16 mm ²
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 1/0
AWG conductor size, min.	3.31 mm ²
AWG conductor size, max.	42.41 mm ²

Dimensions

Width	16 mm
Height of lowest version	63 mm
Length	60 mm
Weight	54 g
TS 35 offset	32 mm

Rating data

Rated cross-section	35 mm ²
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	125 A
Standards	IEC 60947-7-1
Current with max. conductor	150 A
Pollution severity	3

Strap connection

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

UL rating data

Voltage (UL)	1,000 V
Current (UL)	150 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 1

Approvals

Approvals institutes



Downloads

STEP 1020500000_09257_WDU_35_STP.stp

Classifications

eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

Similar products

Order No.	Part designation	Version
1020580000	WDU 35 BL	Feed-through terminal, 35 mm ² , Screw connection, Wemid, blue, TS 35
1020600000	WDU 35/IK	Feed-through terminal, 35 mm ² , Screw connection, Wemid, dark beige, TS 35
1020680000	WDU 35/IK BL	Feed-through terminal, 35 mm ² , Screw connection, Wemid, blue, TS 35
1029000000	WDU 35/IK/ZA	Feed-through terminal, 35 mm ² , Screw connection, Wemid, dark beige, TS 35
1028800000	WDU 35/ZA	Feed-through terminal, 35 mm ² , Screw connection, Wemid, dark beige, TS 35
1028880000	WDU 35/ZA BL	Feed-through terminal, 35 mm ² , Screw connection, Wemid, blue, TS 35