



General ordering data

Order No.	1020100000
Part designation	WDU 4
Version	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
EAN	4008190150617
Qty.	100 pc(s).

Product notes

Note, accessories	Socket and test plug, see section "W Series accessories". Shielding rail LS 2.8 1056400000.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

Function

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	28 A
ATEX conductor cross-section	4 mm ²
IECEX voltage	690 V
IECEX current	28 A
IECEX conductor cross-section	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

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

Solid, min.	0.5 mm ²
Solid, max.	2.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	1.5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	1.5 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	35 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.5...1.0 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A4
Solid, min.	0.5 mm ²
Solid, max.	6 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	6 mm ²
Flexible, min.	0.5 mm ²

Conductors for clamping (rated connection)

Flexible, max.	6 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	4 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
Twin wire-end ferrule, min.	0.5 mm ²
Twin wire end ferrule, max.	2.5 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 10
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	5.26 mm ²

Dimensions

Width	6.1 mm
Height of lowest version	47 mm
Length	60 mm
Weight	10.4 g
TS 35 offset	32 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 voltage	8 kV
Rated current	32 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

UL rating data

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

Approvals

Approvals institutes



CSAEX CURUSEX



GOSTEX



IEC EX

Approvals



Downloads

DXF	09253_WDU_4_DXF.dxf
STEP	1020100000_09253_WDU_4_STP.stp

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

Similar products

Order No.	Part designation	Version
1020180000	WDU 4 BL	Feed-through terminal, 4 mm ² , Screw connection, Wemid, blue, TS 35
1037810000	WDU 4 BR	Feed-through terminal, 4 mm ² , Screw connection, Wemid, brown, TS 35
1020120000	WDU 4 GE	Feed-through terminal, 4 mm ² , Screw connection, Wemid, yellow, TS 35
1020160000	WDU 4 GN	Feed-through terminal, 4 mm ² , Screw connection, Wemid, green, TS 35
1037800000	WDU 4 GR	Feed-through terminal, 4 mm ² , Screw connection, Wemid, grey, TS 35
1036760000	WDU 4 OR	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, Orange, TS 35
1020140000	WDU 4 RT	Feed-through terminal, 4 mm ² , Screw connection, Wemid, red, TS 35
1020110000	WDU 4 SW	Feed-through terminal, 4 mm ² , Screw connection, Wemid, black, TS 35
1036700000	WDU 4 WS	Feed-through terminal, 4 mm ² , Screw connection, Wemid, white, TS 35
1021000000	WDU 4/10	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
1020900000	WDU 4/10/BEZ	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
1905140000	WDU 4/ZR	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
1905060000	WDU 4/ZZ	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35

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