



General ordering data	
Order No.	1608540000
Part designation	ZDU 2.5/3AN
Version	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
EAN	4008190077327
Qty.	100 pc(s).

Product notes	
Note, ordering data	The rated voltage is reduced to 400 V when using the cross-connection.
Product description	Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

PT OKIECEx/ATEX rating data	
EU-type examination certificate	KEMA97ATEX2521U
Download, German	KEMA97ATEX2521U_d.pdf
Download English	KEMA97ATEX2521U_e.pdf
IECEx Certificate of Conformity	IECEXULD05.0009U
Download	IECEXULD05.0009U_e.pdf
ATEX voltage	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm²
IECEx voltage	550 V
IECEx current	20 A
IECEx conductor cross-section	2.5 mm²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEx-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data	
Colour of insulating material	dark beige

Additional technical data	
Connection direction	top
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	3
Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Product family	Z-series
Type of connection	Clamped
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	27 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 12

Conductors for clamping (additional connection)	
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm²

Conductors for clamping (rated connection)	
Clamping range, min.	0.05 mm²
Clamping range, max.	4 mm²
Type of connection	Tension clamp connection
2nd type of connection	clamped
Connection direction	top
No. of connections	3
Stripping length	10 mm
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm²
Solid, max.	4 mm²
Flexible, min.	0.5 mm²
Flexible, max.	4 mm²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm²
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm²
AWG conductor size, min.	AWG 30
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.05 mm²

Conductors for clamping (rated connection)	
AWG conductor size, max.	3.31 mm²

Dimensions	
Width	5.1 mm
Height of lowest version	39.5 mm
Length	64.5 mm
TS 35 offset	32.5 mm

Rating data	
Rated cross-section	2.5 mm²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	31 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 institutes	

Downloads	
STEP	1608540000_20769_ZDU_2.5-3AN_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

1608510000	ZDU 2.5	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1608520000	ZDU 2.5 BL	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, blue, TS 35
1683270000	ZDU 2.5 GE	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, yellow, TS 35
1683280000	ZDU 2.5 GN	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, green, TS 35
1683310000	ZDU 2.5 GR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, grey, TS 35
1636780000	ZDU 2.5 OR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, Orange, TS 35
1683260000	ZDU 2.5 RT	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, red, TS 35
1683330000	ZDU 2.5 SW	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, black, TS 35
1683320000	ZDU 2.5 WS	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, white, TS 35
1626950000	ZDU 2.5/10	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1608600000	ZDU 2.5/2X2AN	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1608610000	ZDU 2.5/2X2AN BL	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, blue, TS 35
1608550000	ZDU 2.5/3AN BL	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, blue, TS 35
1683350000	ZDU 2.5/3AN GE	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, yellow, TS 35
1683360000	ZDU 2.5/3AN GN	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, green, TS 35
1683390000	ZDU 2.5/3AN GR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, grey, TS 35
1636790000	ZDU 2.5/3AN OR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, Orange, TS 35
1683340000	ZDU 2.5/3AN RT	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, red, TS 35
1683410000	ZDU 2.5/3AN SW	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, black, TS 35
1626960000	ZDU 2.5/3AN/10	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1608570000	ZDU 2.5/4AN	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1608580000	ZDU 2.5/4AN BL	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, blue, TS 35
1683440000	ZDU 2.5/4AN GN	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, green, TS 35
1683470000	ZDU 2.5/4AN GR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, grey, TS 35
1636800000	ZDU 2.5/4AN OR	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, Orange, TS 35
1683420000	ZDU 2.5/4AN RT	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, red, TS 35

1683490000	ZDU 2.5/4AN SW	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, black, TS 35
1683480000	ZDU 2.5/4AN WS	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, white, TS 35
1626970000	ZDU 2.5/4AN/10	Feed-through terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35

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