



#### General ordering data

Order No.	1683330000
Part designation	ZDU 2.5 SW
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35
EAN	4008190477882
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 mm <sup>2</sup> .

#### PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX2521U
Download, German	KEMA97ATEX2521U_d.pdf
Download English	KEMA97ATEX2521U_e.pdf
IECEEx Certificate of Conformity	IECEXULD05.0009U
Download	IECEXULD05.0009U_e.pdf
ATEX voltage	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm <sup>2</sup>
IECEEx voltage	550 V
IECEEx current	20 A
IECEEx conductor cross-section	2.5 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-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	black
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#### 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	2
Open sides	right
Operating temperature range	- 50 °C, + 100 °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 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

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

#### Conductors for clamping (rated connection)

AWG conductor size, max. 3.31 mm<sup>2</sup>

#### Dimensions

Width 5.1 mm  
 Height of lowest version 39.5 mm  
 Length 59.5 mm  
 TS 35 offset 27.5 mm

#### Rating data

Rated cross-section 2.5 mm<sup>2</sup>  
 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



#### 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 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608520000	ZDU 2.5 BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35

1683270000	ZDU 2.5 GE	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, yellow, TS 35
1683280000	ZDU 2.5 GN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35
1683310000	ZDU 2.5 GR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35
1636780000	ZDU 2.5 OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1683260000	ZDU 2.5 RT	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35
1683320000	ZDU 2.5 WS	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, white, TS 35
1626950000	ZDU 2.5/10	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608600000	ZDU 2.5/2X2AN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608610000	ZDU 2.5/2X2AN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1608540000	ZDU 2.5/3AN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608550000	ZDU 2.5/3AN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1683350000	ZDU 2.5/3AN GE	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, yellow, TS 35
1683360000	ZDU 2.5/3AN GN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35
1683390000	ZDU 2.5/3AN GR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35
1636790000	ZDU 2.5/3AN OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1683340000	ZDU 2.5/3AN RT	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35
1683410000	ZDU 2.5/3AN SW	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35
1626960000	ZDU 2.5/3AN/10	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608570000	ZDU 2.5/4AN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1608580000	ZDU 2.5/4AN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1683440000	ZDU 2.5/4AN GN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, green, TS 35
1683470000	ZDU 2.5/4AN GR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, grey, TS 35
1636800000	ZDU 2.5/4AN OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1683420000	ZDU 2.5/4AN RT	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, red, TS 35
1683490000	ZDU 2.5/4AN SW	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, TS 35
1683480000	ZDU 2.5/4AN WS	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, white, TS 35

1626970000 ZDU 2.5/4AN/10

Feed-through terminal, 2.5 mm<sup>2</sup>, Tension clamp connection, Wemid, dark beige, TS 35