



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



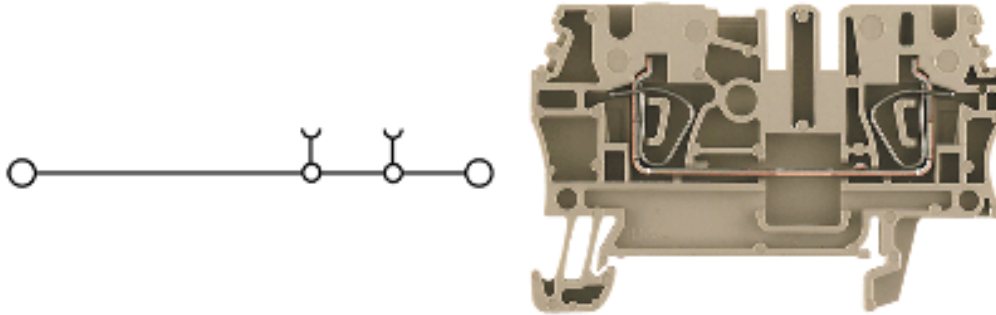
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	1608510000
Part designation	ZDU 2.5
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
EAN	4008190077969
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 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 mm <sup>2</sup>
IECEX voltage	550 V
IECEX current	20 A
IECEX conductor cross-section	2.5 mm <sup>2</sup>
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	2
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 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



**Downloads**

STEP 1608510000\_20741\_ZDU\_2.5\_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
-----------	------------------	---------

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
1683330000	ZDU 2.5 SW	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, black, 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