



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!



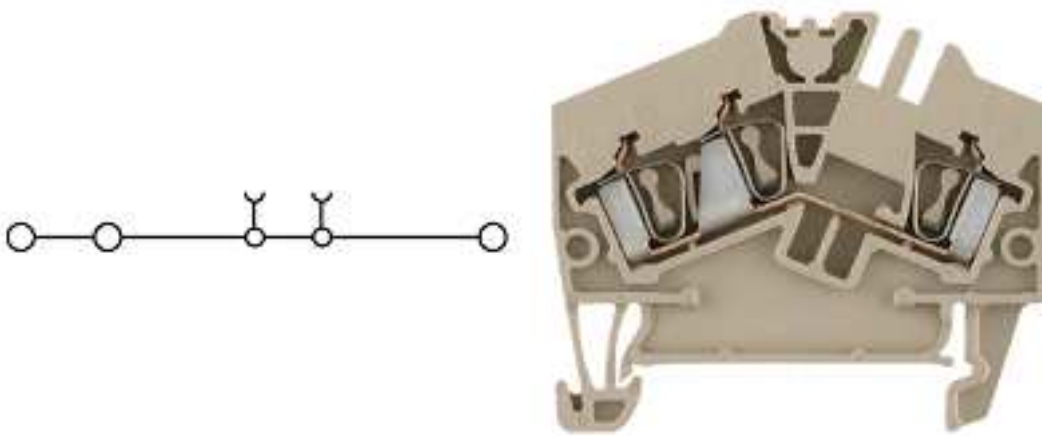
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**General ordering data**

Order No.	1706050000
Part designation	ZDU 2.5-2/3AN OR
Version	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35
EAN	4008190915384
Qty.	100 pc(s).

Product notes

Note, ordering data	The rated voltage is reduced to 400 V when using the cross-connection.
Note, technical data	2.5 mm ² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Product description	The compact terminal range for conductor cross-sections 0.13 to 16 mm ²
Note, accessories	The rated voltage is reduced to 250 V when using the shield bus LS 2.8 (1056400000).

PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX4677U
Download, German	KEMA97ATEX4677U_d.pdf
Download English	KEMA97ATEX4677U_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 ²
IECEEx voltage	550 V
IECEEx current	20 A
IECEEx conductor cross-section	2.5 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-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

Additional technical data

Colour of insulating material	Orange
Connection direction	Inclined / angled
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, + 100 °C
Product family	Z-series
Type of connection	Tension clamp connection
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	23 A
Min. cross-section (CSA)	AWG 30
Max. cross-section (CSA)	AWG 12

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	4 mm ²
Type of connection	Tension clamp connection
2nd type of connection	clamped
Connection direction	Inclined / angled
No. of connections	3
Stripping length	10 mm
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A2
Solid, min.	0.5 mm ²
Solid, max.	4 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	2.5 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²

Conductors for clamping (rated connection)

Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	3.31 mm ²

Dimensions

Width	5.1 mm
Height of lowest version	44 mm
Length	50.5 mm
TS 35 offset	25.5 mm

Rating data

Rated cross-section	2.5 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	24 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	23 A
Min. cross-section (UL)	AWG 26
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
1790990000	ZDK 2.5-2	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1791000000	ZDK 2.5-2 BL	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1791470000	ZDK 2.5-2 DB+BR	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1904970000	ZDK 2.5-2/N/L	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, beige, TS 35
1791030000	ZDK 2.5-2V	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1791040000	ZDK 2.5-2V BL	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1772060000	ZDU 2.5-2	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1772070000	ZDU 2.5-2 BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1772080000	ZDU 2.5-2 OR	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35
1706010000	ZDU 2.5-2/3AN	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1706040000	ZDU 2.5-2/3AN BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1706060000	ZDU 2.5-2/4AN	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1706070000	ZDU 2.5-2/4AN BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1706080000	ZDU 2.5-2/4AN OR	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35