



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!



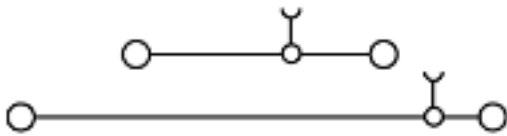
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General ordering data

Order No.	1791000000
Part designation	ZDK 2.5-2 BL
Version	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
EAN	4032248222971
Qty.	50 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

PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX4677U
Download, German	KEMA97ATEX4677U_d.pdf
Download English	KEMA97ATEX4677U_e.pdf
IECEX Certificate of Conformity	IECEXULD05.0009U
ATEX voltage	550 V
ATEX current	20 A
ATEX conductor cross-section	2.5 mm ²
IECEX voltage	550 V
IECEX current	20 A
IECEX conductor cross-section	2.5 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity

Additional technical data

Colour of insulating material	blue
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Additional technical data

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	2
No. of terminal strips per level	2
Open sides	right
Operating temperature range	- 50 °C, + 120 °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 with electronic components

CSA rating data

Voltage (CSA)	600 V
CSA current	25 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.	0.05 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	4
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
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm ²
AWG conductor size, min.	AWG 30
AWG conductor size, max.	AWG 14
AWG conductor size, min.	0.05 mm ²

Conductors for clamping (rated connection)

AWG conductor size, max. 2.08 mm²

Dimensions

Width 5.1 mm
 Height of lowest version 55.5 mm
 Length 72.5 mm
 TS 35 offset 39 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 24 A
 Pollution severity 3

UL rating data

Voltage (UL) 600 V
 Current (UL) 20 A
 Min. cross-section (UL) AWG 30
 Max. cross-section (UL) AWG 12

Approvals

Approvals institutes



Classifications

ETIM 2.0 EC000897
 ETIM 3.0 EC000897
 eClass 4.1 27-14-11-18
 eClass 5.0 27-14-11-18
 eClass 5.1 27-14-11-18

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

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
1706050000	ZDU 2.5-2/3AN OR	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, 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