

#### General ordering data

Order No.	1791000000
Part designation	ZDK 2.5-2 BL
Version	Modular terminal, 2.5 mm <sup>2</sup> , 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 <sup>2</sup> 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 <sup>2</sup>

#### 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 <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

#### 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 <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	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 <sup>2</sup>
Solid, max.	4 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	2.5 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)	1.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 30
AWG conductor size, max.	AWG 14
AWG conductor size, min.	0.05 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

AWG conductor size, max. 2.08 mm<sup>2</sup>

#### Dimensions

Width 5.1 mm  
 Height of lowest version 55.5 mm  
 Length 72.5 mm  
 TS 35 offset 39 mm

#### Rating data

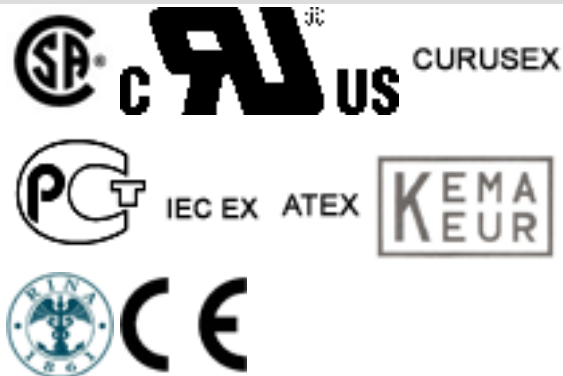
Rated cross-section 2.5 mm<sup>2</sup>  
 Rated voltage 800 V  
 Rated impulse voltage 8 kV  
 Rated current 24 A  
 Standards IEC 60947-7-1  
 Current with max. conductor 24 A  
 Pollution severity 3

#### 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 <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35

1791470000	ZDK 2.5-2 DB+BR	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1904970000	ZDK 2.5-2/N/L	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, beige, TS 35
1791030000	ZDK 2.5-2V	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1791040000	ZDK 2.5-2V BL	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1772060000	ZDU 2.5-2	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1772070000	ZDU 2.5-2 BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1772080000	ZDU 2.5-2 OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1706010000	ZDU 2.5-2/3AN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1706040000	ZDU 2.5-2/3AN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1706050000	ZDU 2.5-2/3AN OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1706060000	ZDU 2.5-2/4AN	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1706070000	ZDU 2.5-2/4AN BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1706080000	ZDU 2.5-2/4AN OR	Feed-through terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35