



#### General ordering data

Order No.	1678630000
Part designation	ZDK 2.5 BL
Version	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
EAN	4008190465353
Qty.	50 pc(s).

#### Product notes

Note, ordering data	Component plug ZBS 1(1764540000) and ZBS 1 for LED (1764550000) can be used.
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	Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm <sup>2</sup> .
Note, accessories	ZVQ 2.5/15 (1720700000) connects two current bars one above the other.

#### PT OKIECEX/ATEX rating data

EU-type examination certificate	KEMA97ATEX4677U
Download, German	KEMA97ATEX4677U_d.pdf
Download English	KEMA97ATEX4677U_e.pdf
ATEX voltage	275 V
ATEX current	18 A
ATEX 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	blue
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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	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	Clamped
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Double terminal

#### CSA rating data

Voltage (CSA)	300 V
CSA current	10 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.	2.5 mm <sup>2</sup>
Type of connection	Tension clamp connection
2nd type of connection	clamped
Connection direction	top
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.	2.5 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)	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 54 mm  
 Length 79.5 mm  
 TS 35 offset 39 mm

#### Rating data

Rated cross-section 2.5 mm<sup>2</sup>  
 Rated voltage 500 V  
 Rated impulse voltage 6 kV  
 Rated current 20 A  
 Standards IEC 60947-7-1  
 Current with max. conductor 20 A  
 Pollution severity 3

#### UL rating data

Voltage (UL) 300 V  
 Current (UL) 10 A  
 Min. cross-section (UL) AWG 30  
 Max. cross-section (UL) AWG 12

#### Approvals

Approvals institutes



#### Classifications

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
1674300000	ZDK 2.5	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1689970000	ZDK 2.5DU-PE	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1689960000	ZDK 2.5N-DU	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35

1689980000	ZDK 2.5N-PE	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1694140000	ZDK 2.5 OR	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
1745880000	ZDK 2.5V BL	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1689990000	ZDK 2.5V	Modular terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35