



#### General ordering data

Order No.	1690020000
Part designation	ZDK 2.5/D/1
Version	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
EAN	4008190877897
Qty.	50 pc(s).

#### Product notes

Note, ordering data	Soldered diode: Type 1N 4007, reverse voltage 1000V, current 1 A; current of continuous busbar = 10 A
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> .

#### Additional technical data

Colour of insulating material	dark beige
Connection direction	top
Electronic component	Diode
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35
Insulating material	Wemid
Levels cross-connected internally	No
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	Plugged
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0

#### Additional technical data

Version Feed-through terminal with electronic components

#### 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)

Type of connection Tension clamp 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) 1.5 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>  
 Twin wire-end ferrule, min. 0.14 mm<sup>2</sup>  
 Twin wire end ferrule, max. 0.34 mm<sup>2</sup>  
 AWG conductor size, min. AWG 30  
 AWG conductor size, min. 0.13 mm<sup>2</sup>  
 AWG conductor size, max. 2.5 mm<sup>2</sup>

#### Dimensions

Width 5.1 mm  
 Height of lowest version 54 mm  
 Length 79.1 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 10 A

#### Rating data

Standards	IEC 60947-7-1
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 14

#### Approvals

Approvals institutes



#### Downloads

STEP	1690020000_24218_ZDK_2.5-1.5-D-1_STP.stp
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#### Classifications

eClass 4.1	27-14-11-27
eClass 5.0	27-14-11-27
eClass 5.1	27-14-11-27

#### Similar products

Order No.	Part designation	Version
1690030000	ZDK 2.5/D/2	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1690040000	ZDK 2.5/D/4	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1690050000	ZDK 2.5/D/5	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1690060000	ZDK 2.5/D/6	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35