



#### General ordering data

Order No.	1690060000
Part designation	ZDK 2.5/D/6
Version	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
EAN	4008190877934
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



#### 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
1690020000	ZDK 2.5/D/1	Component terminal, 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
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