General ordering data

Order No.	1690060000
Part designation	ZDK 2.5/D/6
Version	Component terminal, 2.5 mm², 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 mm² 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 mm².

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

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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 mm²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm²

Conductors for clamping (rated connection)

Clamping range, min.	0.05 mm²
Clamping range, max.	2.5 mm²
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 mm²
Solid, max.	2.5 mm²
Flexible, min.	0.5 mm²
Flexible, max.	2.5 mm²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm²
Flexible with ferrule, max. (DIN 46228/1)	1.5 mm²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm²
Twin wire-end ferrule, min.	0.14 mm²
Twin wire end ferrule, max.	0.34 mm²
AWG conductor size, min.	AWG 30
AWG conductor size, min.	0.13 mm²
AWG conductor size, max.	2.5 mm²

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 mm²
Rated voltage	500 V
Rated impulse voltage	6 kV
Rated current	10 A

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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 mm², Tension clamp connection, Wemid, dark beige, TS 35
1690030000	ZDK 2.5/D/2	Component terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1690040000	ZDK 2.5/D/4	Component terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35
1690050000	ZDK 2.5/D/5	Component terminal, 2.5 mm², Tension clamp connection, Wemid, dark beige, TS 35

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