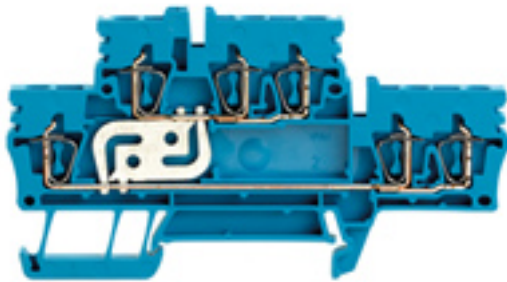


## Z terminal with tension spring connection ZDK 2.5/3AN V BL

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Germany  
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

### General ordering data

Type	ZDK 2.5/3AN V BL
Order No.	<a href="#">1924480000</a>
Version	Z terminal with tension spring connection, Double-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Blue
GTIN (EAN)	4032248563913
Qty.	50 pc(s).

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## Technische Daten

### Dimensions and weights

Length	93 mm	Width	5.1 mm
Height	50.5 mm	Height of lowest version	51.5 mm
Net weight	16.98 g		

### Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

### Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA06ATEX0271U	ATEX certificate	KEMA06ATEX0271U_d.pdf
ATEX certificate	KEMA06ATEX0271U_e.pdf	Certificate No. (IECEX)	IECEXKEM06.0048U
IEC Ex certificate	IECEXKEM06.0048U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>
Max. voltage (IECEX)	550 V	Current (IECEX)	21 A
Wire cross section max. (IECEX)	2.5 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking ATEX Directive 94/9/EC	
			II 2 G D

### Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on	Version	Tension-clamp connection, for plug-in cross-connector, Vertically cross-connected, One end without connector

### CSA ratings data

Certificate No. (CSA)	200039-1842498	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Current size B (CSA)	24 A
Current size C (CSA)	24 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

### Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**Technische Daten**

**Clampable wires (rated connection)**

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Number of connections	6
Clamping range, rated connection, min.	0.05 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Gauge to IEC 60947-1	A2	Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 30
Wire connection cross section AWG, max.	AWG 12		

**Rated data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

**Material data**

Insulating material	Wemid	Material	Wemid
Colour	Blue	UL 94 flammability rating	V-0

**System specifications**

Product family	Z terminal with tension spring connection	Type of connection	Tension clamp connection
Number of levels	2	Number of connections	6
No. of clamping points per level	3	Levels cross-connected internally	Yes
Mounting rail	TS 35	End cover plate required	Yes

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**Technische Daten**

**Classifications**

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-18	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

**Product information**

Descriptive text technical data	2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Descriptive text accessories	2.5 mm <sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

**Approvals**

Approvals



ROHS Conform