Z terminal with tension spring connection
ZDK 2.5-2V BL

Weidmüller Interface GmbH & Co. KG
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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 2.5-2V BL
Order No.	1791040000
Version	Z terminal with tension spring connection, Feed-through terminal, Double-tier terminal, Rated cross-section: Tension clamp connection, Wemid, Blue
GTIN (EAN)	4032248331192
Qty.	50 pc(s).

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Technische Daten

Dimensions and weights

Length	72.5 mm	Width	5.1 mm
Height	54.5 mm	Height of lowest version	55.5 mm
Net weight	11.22 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)	KEMA97ATEX4677U	ATEX certificate	KEMA97ATEX4677U_d.pdf
ATEX certificate	KEMA97ATEX4677U_e.pdf	IEC Ex certificate	IECEXULD05.0009U_e.pdf
Max. voltage (ATEX)	550 V	Current (ATEX)	22 A
Wire cross section max. (ATEX)	2.5 mm²	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	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Tension-clamp connection, Vertically cross-connected, for plug-in cross-connector, One end without connector		

CSA ratings data

Certificate No. (CSA)	200039-1236167	Voltage size B (CSA)	300 V
Voltage size D (CSA)	300 V	Current size B (CSA)	25 A
Current size D (CSA)	10 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 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

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Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	Inclined / angled
Number of connections	4	Clamping range, rated connection, min.	0.05 mm²
Clamping range, rated connection, max.	4 mm²	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	4 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

Rated data

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 C (cURus)	20 A
Voltage size C (cURus)	600 V	Certificate No. (UR)	E60693
Voltage size C (UR)	600 V	Current size C (UR)	20 A
Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring min. (UR)	30 AWG
Conductor size Field wiring max. (UR)	12 AWG		

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
Connection direction	Inclined / angled	Number of levels	2
Number of connections	4	No. of clamping points per level	2
Levels cross-connected internally	Yes	Mounting rail	TS 35
End cover plate required	Yes		

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		

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Product information

Descriptive text ordering data	Rated voltage is reduced to 400 V when using the cross-connector.
Descriptive text technical data	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Approvals

Approvals	
ROHS	Conform