Z terminal with tension spring connection
ZDK 1.5PE

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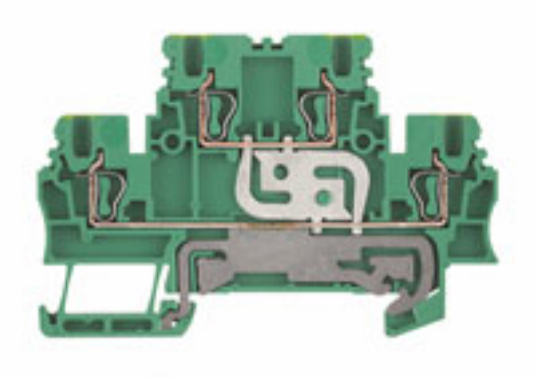

Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and other Weidmüller terminal lines.
Z-Series terminals have a large clamping range and one or two cross-connection slots.

General ordering data

Type	ZDK 1.5PE
Order No.	1791150000
Version	Z terminal with tension spring connection, Double-tier terminal, PE terminal, Rated cross-section: Tension clamp connection, Wemid, green / yellow, Direct mounting
GTIN (EAN)	4032248239092
Qty.	100 pc(s).

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Technische Daten

Dimensions and weights

Length	75.5 mm	Width	3.5 mm
Height	49.5 mm	Height of lowest version	50 mm
Net weight	13.32 g		

Temperatures

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

Rated data IECEx/ATEX

Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Tension-clamp connection, With PE connection, One end without connector

CSA ratings data

Certificate No. (CSA)	154685-1461041	Wire cross section max. (CSA)	16 AWG
Wire cross section min. (CSA)	28 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.	1.5 mm²

Clampable wires (rated connection)

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.4 x 2.0 mm	Connection direction	top
Number of connections	4	Clamping range, rated connection, min.	0.05 mm²
Clamping range, rated connection, max.	1.5 mm²	Gauge to IEC 60947-1	B1
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	1.5 mm²
Wire connection cross section, finely stranded, max.	1.5 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.	1.5 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
Twin wire-end ferrules, min.	0.5 mm²	Twin wire-end ferrules, max.	0.75 mm²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 16

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Rated data

Rated voltage to adjoining terminal	500 V	Rated impulse withstand voltage to adjacent terminal	6 kV
Standards	IEC 60947-7-2	Pollution severity	3

UL ratings data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	16 AWG
Conductor size Factory wiring min. (cURus)	28 AWG	Conductor size Field wiring max. (cURus)	16 AWG
Conductor size Field wiring min. (cURus)	28 AWG		

Material data

Insulating material	Wemid	Material	Wemid
Colour	Yellow, Green	UL 94 flammability rating	V-0

System specifications

Product family	Z terminal with tension spring connection	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	2
Number of connections	4	No. of clamping points per level	2
Levels cross-connected internally	Yes	End cover plate required	Yes

Classifications

ETIM 3.0	EC000901	UNSPSC	30-21-18-11
eClass 5.1	27-14-03-05	eClass 6.2	27-14-03-05
eClass 7.1	27-14-03-05		

Approvals

Approvals	
ROHS	Conform