

**Z-series
ZDK 2.5/3AN PE**

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 other Weidmüller terminal lines. Z-Series terminals have a large clamping range and one or two cross-connection slots.

General ordering data

Type	ZDK 2.5/3AN PE
Order No.	1924470000
Version	Z-series, Double-tier terminal, Rated cross-section: 2.5 mm², Tension clamp connection, Wemid, green / yellow
GTIN (EAN)	4032248563906
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	21.02 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	Wire cross section max. (ATEX)	2.5 mm ²
Wire cross section max. (IECEX)	2.5 mm ²	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, With PE connection, 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 ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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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	top
Number of connections	6	Clamping range, rated connection, min.	0.05 mm ²
Clamping range, rated connection, max.	4 mm ²	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	4 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	2.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

Dimensions

TS 35 offset	25.5 mm
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Rated data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated impulse withstand voltage	8 kV
Rated impulse withstand voltage to adjacent terminal	8 kV	Standards	IEC 60947-7-2
Pollution severity	block assembly		

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		

Material data

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

System specifications

Product family	Z-series	Type of connection	Tension clamp connection
Connection direction	top	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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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		

Product information

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

Approvals

Approvals



ROHS Conform