

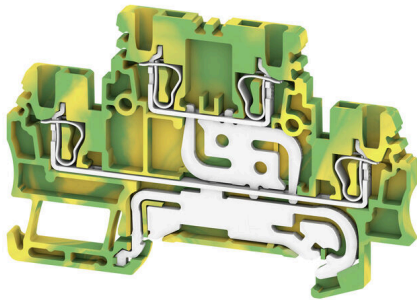
ZDK 1.5PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Double-tier terminal, PE terminal, Tension-clamp connection, 1.5 mm ² , 180 A (1.5 mm ²), Green/yellow
Order No.	1791150000
Type	ZDK 1.5PE
GTIN (EAN)	4032248239092
Qty.	50 items

ZDK 1.5PE

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.9488 inch
Depth including DIN rail	50 mm	Height	75.5 mm
Height (inches)	2.9724 inch	Width	3.5 mm
Width (inches)	0.1378 inch	Net weight	2 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, With PE connection, One end without connector	End cover plate required	Yes
Number of levels	2	Number of clamping points per level	2
Levels cross-connected internally	Yes	PE connection	Yes
Mounting rail	TS 35	PE function	Yes
PEN function	No		

Additional technical data

Open sides	right	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

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

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B1		
Wire connection cross section AWG, max.	AWG 16		
Connection direction	top		
Stripping length	10 mm		
Type of connection	Tension-clamp connection		
Number of connections	4		
Clamping range, max.	1.5 mm ²		
Clamping range, min.	0.05 mm ²		
Blade size	0.4 x 2.0 mm		
Wire connection cross section AWG, min.	AWG 30		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm ²		
Wire connection cross section, finely stranded, max.	1.5 mm ²		
Wire connection cross section, finely stranded, min.	0.05 mm ²		
Connection cross-section, stranded, max.	1.5 mm ²		
Connection cross-section, stranded, min.	0.05 mm ²		
Twin wire-end ferrules, max.	0.75 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	1.5 mm ²		
Wire connection cross-section, solid core, min.	0.05 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	12 mm
Cross-section for conductor connection	nominal	0.75 mm ²	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	nominal	10 mm
Cross-section for conductor connection	nominal	0.5 mm ²	
Tube length	nominal	10 mm	
Cross-section for conductor connection	nominal	0.75 mm ²	
Tube length	nominal	10 mm	
Cross-section for conductor connection	nominal	1 mm ²	
Tube length	min.	10 mm	
	max.	12 mm	
Cross-section for conductor connection	nominal	1.5 mm ²	

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Technical data

General

Wire connection cross section AWG, max.	AWG 16	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 30	Standards	IEC 60947-7-2
Mounting rail	TS 35		

Rating data

Rated cross-section	1.5 mm ²	Rated voltage to adjoining terminal	500 V
Rated DC voltage	500 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1.83 mΩ	Rated impulse withstand voltage to adjacent terminal	6 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Pollution severity	3

UL rating data

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

Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-04
ECLASS 15.0	27-25-01-04		

Drawings

