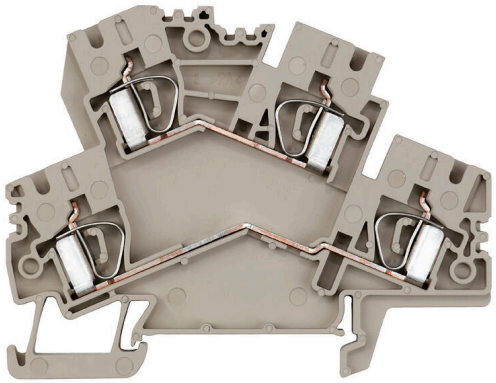
Data sheet

ZDK 4-2 EL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload —ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

Version	Feed-through terminal, Double-tier terminal, Tension-clamp connection, 4 mm², 800 V, 32 A, dark beige
Order No.	8709760000
Type	ZDK 4-2 EL
GTIN (EAN)	4032248384365
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	60 mm	Depth (inches)	2.3622 inch
Depth including DIN rail	61 mm	Height	77.6 mm
Height (inches)	3.0551 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	17.06 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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	dark beige
UL 94 flammability rating	V-0		

System specifications

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

Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 10
Connection direction	Inclined / angled
Stripping length	10 mm
Type of connection 2	Tension-clamp connection

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Technical data

Type of connection	Tension-clamp connection		
Number of connections	4		
Clamping range, max.	6 mm²		
Clamping range, min.	0.13 mm²		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²		
Wire connection cross-section, finely stranded, max.	4 mm²		
Wire connection cross section, finely stranded, min.	0.13 mm²		
Connection cross-section, stranded, max.	4 mm²		
Connection cross-section, stranded, min.	0.13 mm²		
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	6 mm²		
Wire connection cross-section, solid core, min.	0.13 mm²		
Connection cross-section, finely stranded (rated connection), max.	6 mm²		
Connection cross-section, finely stranded (rated connection), min.	0.13 mm²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	4 mm²
Tube length for twin wire-end ferrule	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm²

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Technical data

Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	nominal	12 mm
	Cross-section for conductor connection	nominal	4 mm²

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	4 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

Important note

Product information	The allowed continuous operating temperature must be observed

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		

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Drawings

