

PCB terminal block - ZFKDS 4-10 - 1907539

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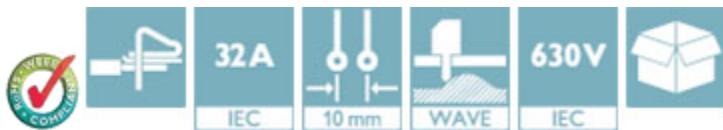


PCB terminal block, Nominal current: 32 A, Nom. voltage: 630 V, Pitch: 10 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!

The figure shows a 5-pos. version of the product

Product Features

- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Separate bridge shaft for easily connecting multiple positions to jumpers
- Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	5.89 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	29 mm
Pitch	10.00 mm
Width	11.5 mm
Constructional height	23 mm
Height	27.6 mm
Length of the solder pin	4.6 mm
Pin dimensions	1 x 1,4 mm

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Technical data

Dimensions

Hole diameter	1.8 mm
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General

Range of articles	ZFKDS(A) 4
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	630 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	32 A
Nominal cross section	4 mm ²
Maximum load current	32 A (with 4 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Number of positions	1

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

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Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / EAC / EAC / cULus Recognized


Ex Approvals


Approvals submitted


Approval details


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Approvals

UL Recognized 			
	B	C	D
mm²/AWG/kcmil	24-10	24-10	24-10
Nominal current I _N	30 A	30 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

cUL Recognized 			
	B	C	D
mm²/AWG/kcmil	24-10	24-10	24-10
Nominal current I _N	30 A	30 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-4
Nominal current I _N	32 A
Nominal voltage U _N	630 V


IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-4
Nominal current I _N	32 A
Nominal voltage U _N	630 V

EAC

EAC

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Approvals

cULus Recognized  US

Accessories

Accessories

Bridge

Plug-in bridge - FBSK 10-10 - 1928437



Bridge, fully insulated, pitch 10 mm, 10-pos.

Plug-in bridge - FBSK 5-10 - 1928424



Bridge, fully insulated, pitch 10 mm, 5-pos.

Plug-in bridge - FBSK 4-10 - 1928411



Bridge, fully insulated, pitch 10 mm, 4-pos.

Plug-in bridge - FBSK 3-10 - 1928408



Bridge, fully insulated, pitch 10 mm, 3-pos.

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Accessories

Plug-in bridge - FBSK 2-10 - 1928398



Bridge, fully insulated, pitch 10 mm, 2-pos.

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Flange

PCB terminal block - FL-ZFKDS 4 - 1928495



Pair of flanges, can be snapped onto a row of single terminal blocks

Labeled terminal marker

Zack Marker strip, flat - ZBF10 CUS - 0825031



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Pitch spacer

PCB terminal block - RZ-ZFKDS 4 - 1928521



Pitch spacer, 2.5 mm wide

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

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Accessories

Marker card - SK U/5,0 WH:UNBEDRUCKT - 0803922



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 5 mm

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

Required add-on products

PCB terminal block - ZFKDSA 4- 9 - 1907542



End terminal block, 9 mm wide, necessary at the end of a row of terminal blocks

Additional products

PCB terminal block - ZFKDSA 4- 9 - 1907542

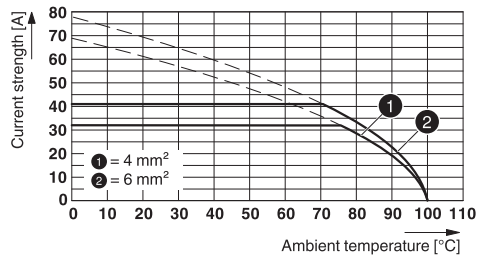


End terminal block, 9 mm wide, necessary at the end of a row of terminal blocks

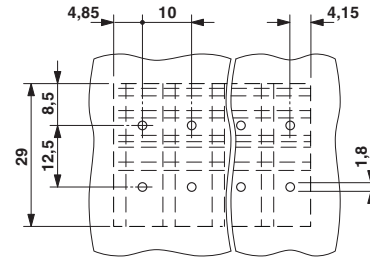
Drawings

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Diagram



Drilling diagram



Type: ZFKDS 4-10

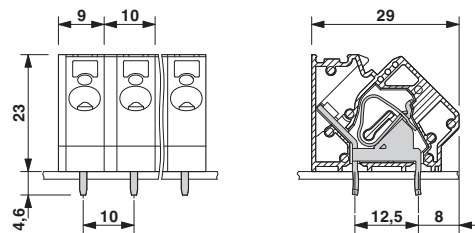
Test according to DIN EN 60947-7-4 (VDE 0611-7-4):2014-08

Illustration according to DIN EN 60512-5-2:2003-01

Reduction factor = 1

Number of positions: 4

Dimensional drawing



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