

<https://www.phoenixcontact.com/cn/products/1993763>

PCB terminal block - MKDS 10 HV/ 1-F-10,16 - 1993763

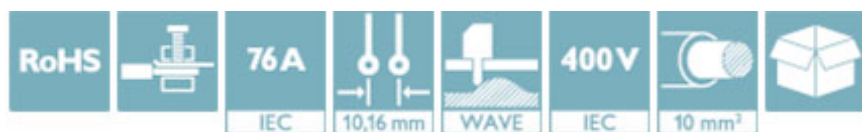
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PCB terminal block, Nominal current: 76 A, Nom. voltage: 400 V, Pitch: 10.16 mm, Number of positions: 1, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 037600
GTIN	4046356037600
Custom tariff number	8536909000
Sales Key	AABDAA

Technical data

Dimensions

Length	18.8 mm
Pitch	10.16 mm
Height	31 mm
Length of the solder pin	5 mm
Pin dimensions	1 x 0.9 mm
Hole diameter	1.5 mm

General

Range of articles	MKDS 10 HV
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Technical data

General

Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	400 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	800 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	10 mm
Number of positions	1
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
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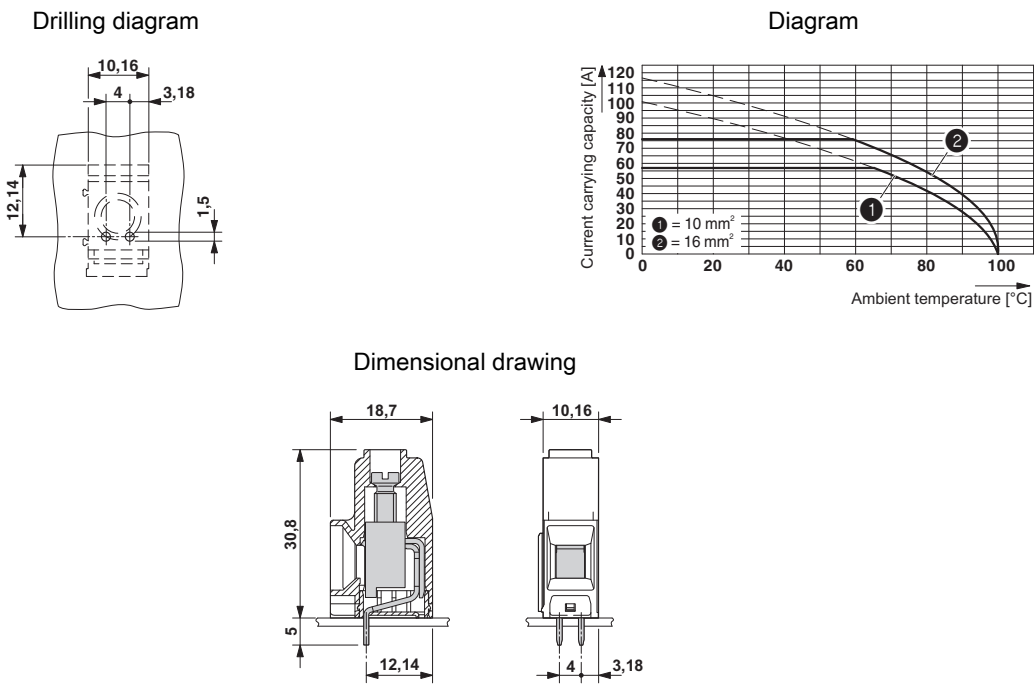
Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



Approvals

Approvals

Approvals

SEV / IECCEB Scheme / CCA / EAC / cULus Recognized / CCA / IECCEB Scheme

Ex Approvals

https://www.phoenixcontact.com/cn/products/1993763



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Approvals

Approval details

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm ² /AWG/kcmil		10	
Nominal current I _N		76 A	
Nominal voltage U _N		400 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
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CCA	IK-2722
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EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	B	C	D
mm ² /AWG/kcmil	20-6	20-6	20-6
Nominal current I _N	60 A	60 A	10 A
Nominal voltage U _N	300 V	150 V	300 V

CCA	IK-2722
mm ² /AWG/kcmil	10
Nominal current I _N	76 A
Nominal voltage U _N	400 V

IECEE CB Scheme			http://www.iecee.org/	CH-8225	
mm²/AWG/kcmil					10
Nominal current I _N					76 A
Nominal voltage U _N					400 V

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