https://www.phoenixcontact.com/cn/products/1984950

PCB terminal block - MKDS 1/ 3-3,5 HT BK - 1984950

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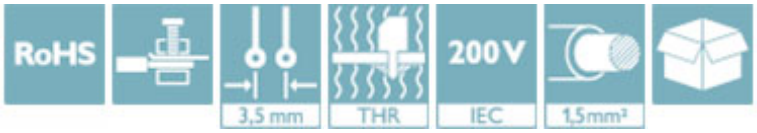
PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: THR soldering, Conductor/PCB connection direction: 0 °, Color: black, This article can be soldered in the reflow furnace together with SMD components.

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Extremely small design for the respective conductor cross section
- Designed for integration into the SMT soldering process



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	4 017918 908096
GTIN	4017918908096
Custom tariff number	8536901900
Sales Key	AAABCA

Technical data

Dimensions

Length	7.3 mm
Pitch	3.5 mm
Dimension a	7 mm
Width	11 mm
Constructional height	8.5 mm
Height	12 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm

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Technical data

Dimensions

Pin spacing	3.5 mm
Hole diameter	1.1 mm

General

Range of articles	MKDS 1/..-HT
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	63 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	200 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	13.5 A
Nominal cross section	1.5 mm²
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	3
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	0.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	0.34 mm²

Standards and Regulations

Connection in acc. with standard	EN-VDE

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Technical data

Standards and Regulations

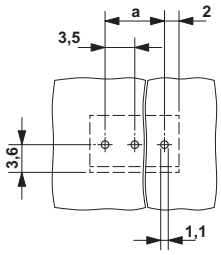
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

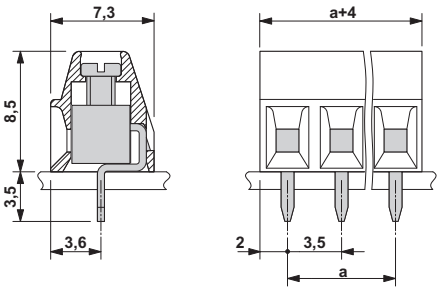
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Drilling diagram



Dimensional drawing



Approvals

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CSA / SEV / CCA / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631

	B	D
mm²/AWG/kcmil	28-16	28-16
Nominal current IN	10 A	10 A
Nominal voltage UN	150 V	300 V

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Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1

mm²/AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

CCA	IK-2722

mm²/AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

IECEE CB Scheme		http://www.iecee.org/	CH-8225

mm²/AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427

	B	D
mm²/AWG/kcmil	30-16	30-16
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V