PCB terminal block - MKDS 1/12-3,81 SMD BK - 1727324

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PCB terminal block, nominal current: 8 A, pitch: 3.81 mm, number of positions: 12, connection method: Screw connection with tension sleeve, mounting: SMD soldering, conductor/PCB connection direction: 0 °, color: black

The figure shows a 10-position version of the product

Your advantages

- 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	10 pc
GTIN	4 017918 025694
GTIN	4017918025694

Technical data

Dimensions

Length [l]	7.3 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Width [w]	53.34 mm
Height	9.2 mm
Height [h]	9.2 mm

General

Range of articles	MKDS 1/..-SMD
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV

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Technical data

General

Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1 mm²
Maximum load current	8 A (with 1.5 mm² conductor cross section)
Insulating material	PA-F
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	12
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 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.	0.2 mm²

Standards and Regulations

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

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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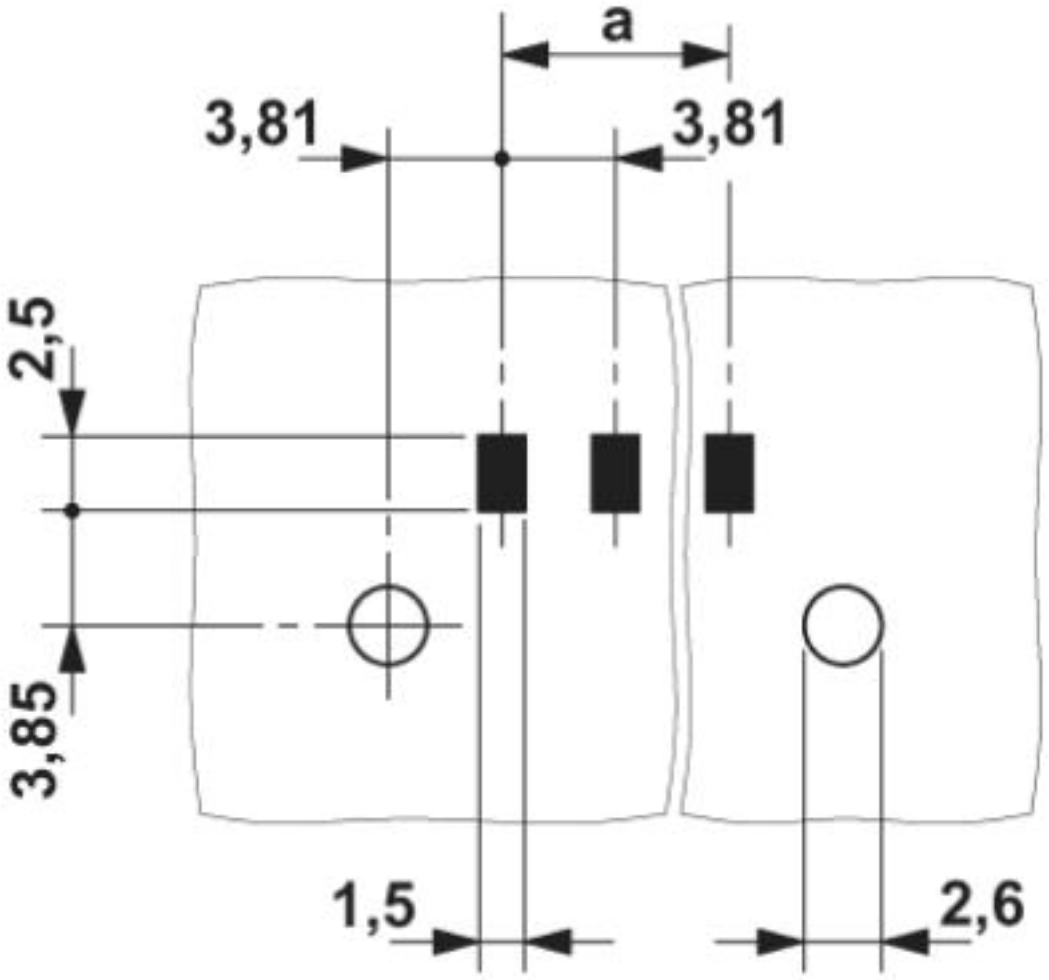
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Drilling diagram



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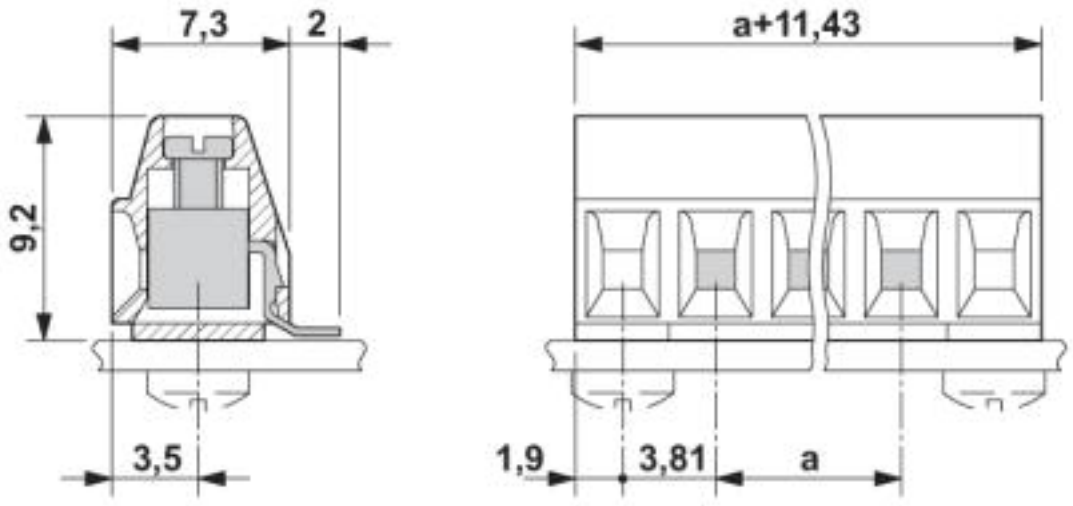
Dimensional drawing



Approvals

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IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

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

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

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-3542-M1

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

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Approvals

EAC		B.01742

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

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

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