PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

PCB terminal block, nominal current: 8 A, pitch: 3.81 mm, number of positions: 5, 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	1 pc
Minimum order quantity	20 pc
GTIN	4 017918 025632
GTIN	4017918025632
Weight per Piece (excluding packing)	5.410 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length [l]	7.3 mm
Pitch	3.81 mm
Dimension a	15.24 mm

PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Technical data

Dimensions

Width [w]	19.04 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
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	5
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

PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Technical data

Connection data

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

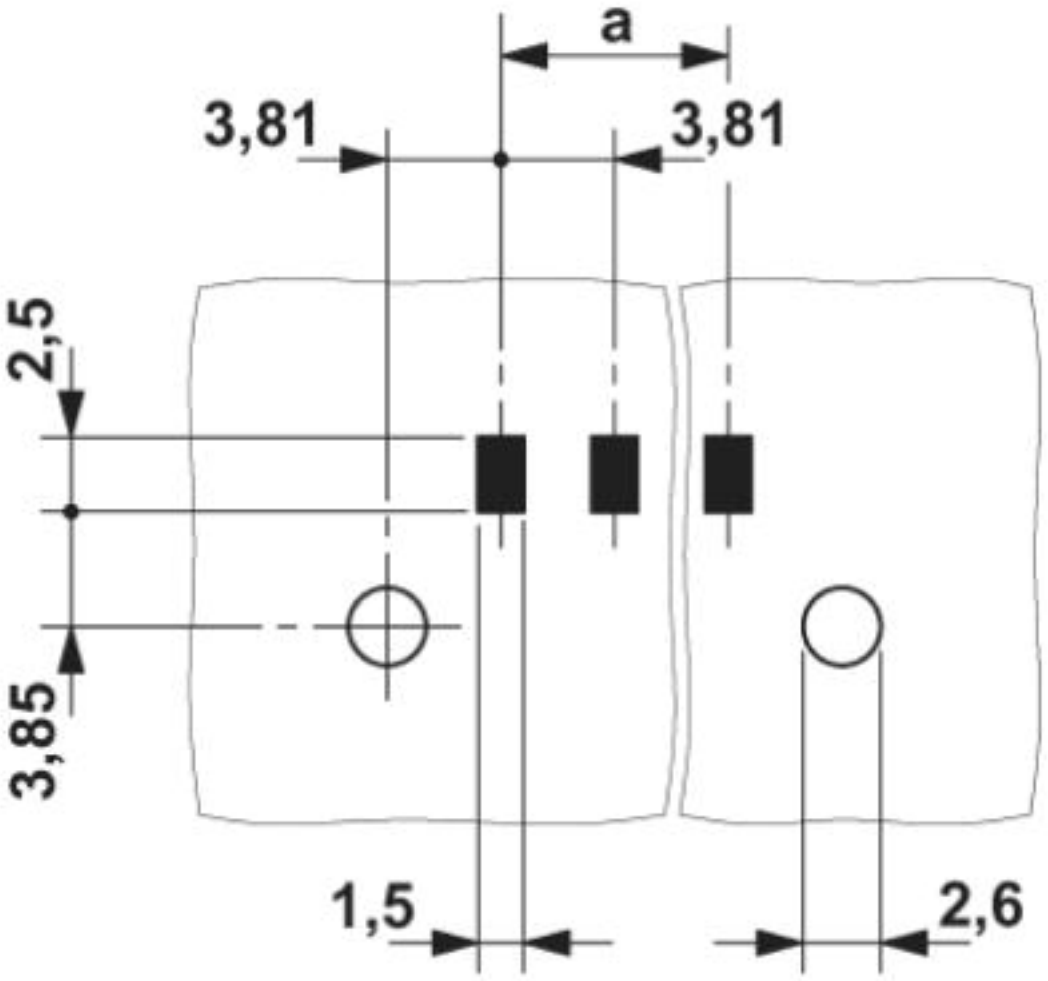
Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

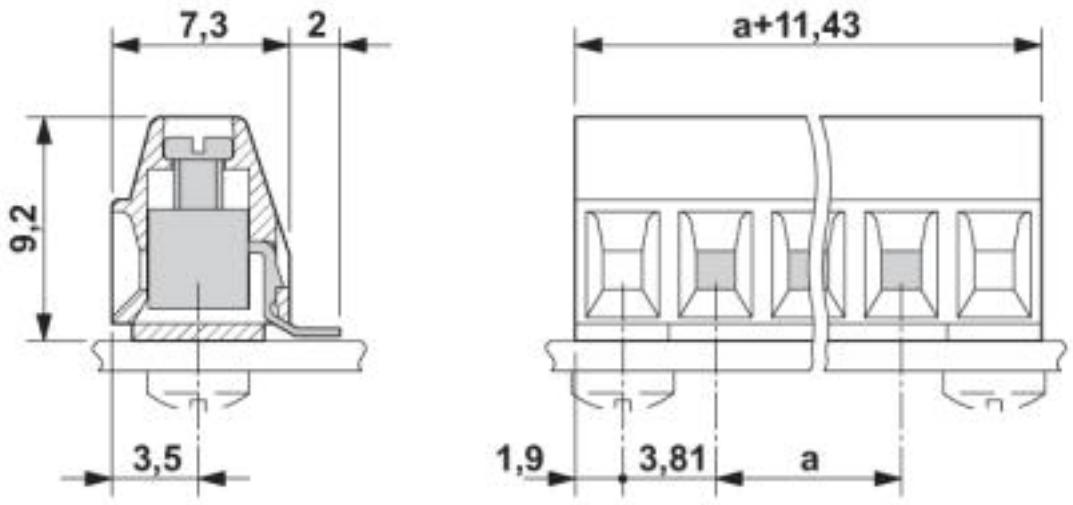
PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Drilling diagram



PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
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
ETIM 6.0	EC002643
ETIM 7.0	EC002643

UNSPSC

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

PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Approvals

Approvals

Approvals

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

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

PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 3.81 mm, lettering field size: 3.81 x 2.8 mm

Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Phoenix Contact 2019 © - all rights reserved
http://www.phoenixcontact.com