PCB terminal block - MKDS 1/ 9-3,81 SMD BK - 1727298

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PCB terminal block, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 9, 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

Product Features

- Standard PCB terminal block types made from high-temperature-resistant plastics
- Type of packaging: tube magazine
- Box packaging or tape-on-reel packing according to IEC 60286-3 for automated mounting available on request
- Use in SMT reflow processes

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	12 pc
GTIN	4 017918 025663
Weight per Piece (excluding packing)	8.57 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Dimensions

Length	7.3 mm
Pitch	3.81 mm
Dimension a	30.48 mm
Constructional height	10 mm

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Technical data

Dimensions

Length of the solder pin	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
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	9
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

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Technical data

Connection data

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

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

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CSA / EAC / EAC / cULus Recognized / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

CSA

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

EAC

EAC

cULus Recognized

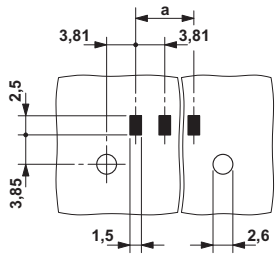
	B	D
mm²/AWG/kcmil	30-16	30-16
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

cULus Recognized

Drawings

PCB terminal block - MKDS 1/ 9-3,81 SMD BK - 1727298

Drilling diagram



Dimensional drawing