

PCB terminal block - MK3DS 1/ 8-3,81 BK - 1738610

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://download.phoenixcontact.com>)

PCB terminal block, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black

Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	17.61 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	25 mm
Pitch	3.81 mm
Dimension a	26.67 mm
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

General

Range of articles	MK3DS 1
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)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1 mm ²
Solder pin surface	Sn
Stripping length	5 mm
Number of positions	8
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

PCB terminal block - MK3DS 1/ 8-3,81 BK - 1738610

Technical data

Connection data

Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.2 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	16

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

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

Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IEC CB Scheme / GOST / SEV / cULus Recognized


PCB terminal block - MK3DS 1/ 8-3,81 BK - 1738610


Approvals

Ex Approvals


Approvals submitted

Approval details

CSA 		
	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current I _N	10 A	10 A
Nominal voltage U _N	150 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	30-16	30-16
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

SEV	
mm ² /AWG/kcmil	1.5
Nominal current I _N	8 A
Nominal voltage U _N	125 V

cUL Recognized 		
	B	D
mm ² /AWG/kcmil	30-16	30-16
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V


PCB terminal block - MK3DS 1/ 8-3,81 BK - 1738610

Approvals

GOST 

CCA

IECEE CB Scheme 

GOST 

SEV

mm ² /AWG/kcmil	1.5
Nominal current I _N	8 A
Nominal voltage U _N	125 V

cULus Recognized 