

## PCB terminal block - MK3DS 1/12-3,81 - 1727832

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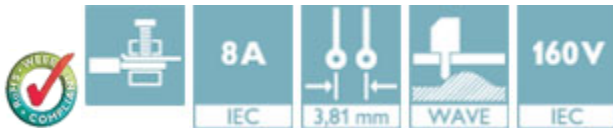


PCB terminal block, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 12, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green


The figure shows a 10-pos. version with 30 contacts

### Product Features

- Three-level type with high packing and connection density
- Offset levels for optimum access to the terminal points



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 116453
Weight per Piece (excluding packing)	26.22 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	25 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Constructional height	24 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

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### Technical data

#### General

Range of articles	MK3DS 1
Insulating material group	I
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 <sup>2</sup>
Maximum load current	10 A
Insulating material	PA
Solder pin surface	Sn
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 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.2 mm <sup>2</sup>

#### Standards and Regulations

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## Technical data

### 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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#### Approvals

CSA / SEV / CCA / IEC/CEB Scheme / EAC / EAC / cULus Recognized

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#### Ex Approvals


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## Approvals

Approvals submitted

### Approval details

CSA 		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-16	28-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	125 V

CCA
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IECEE CB Scheme 
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EAC
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EAC
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cULus Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

## Accessories

Accessories

Labeled terminal marker

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## Accessories

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: 3.81 x 2.8 mm

## Screwdriver tools

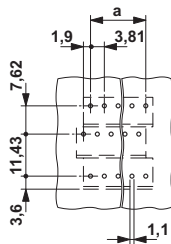
Screwdriver - SZS 0,4X2,5 VDE - 1205037



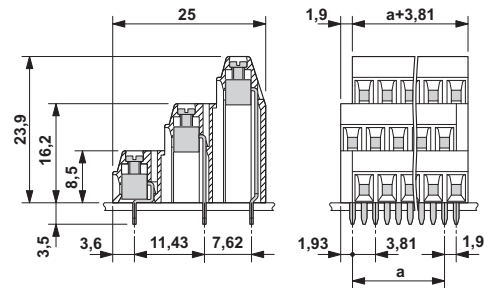
Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Dimensional drawing



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