

## Printed-circuit board connector - MCDN 1,5/12-G1-3,81 P26THR - 1749625

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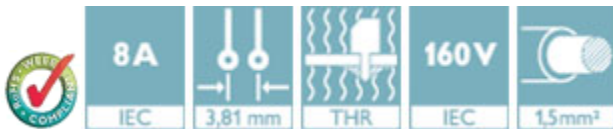


Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 2.6 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads"

The figure shows a 10-pos. version with 20 contacts

### Product Features

- Versions with engagement noses for locking plugs with self-locking flanges
- Plug-in direction parallel to the PCB
- Low-profile THR double-level pin strips with compact pitches of 3.5 mm and 3.81 mm
- Without offset levels, for flush installation on the front of devices
- Use in SMT reflow processes



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	9.2 g
Custom tariff number	85366990
Country of origin	Bulgaria

### Technical data

#### Dimensions

Length	13.3 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Constructional height	15.2 mm
Length of the solder pin	2.6 mm
Pin dimensions	0,8 x 0,8 mm

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## Technical data

### Dimensions

Pin spacing	3.50 mm
Hole diameter	1.4 mm

### General

Range of articles	MCDN 1,5/...-G1-THR
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 <sub>N</sub>	8 A
Maximum load current	8 A (per position)
Insulating material	LCP
Flammability rating according to UL 94	V0
Color	black
Number of positions	12

### Standards and Regulations

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

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

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## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

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#### Approvals

VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized / IECEE CB Scheme

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	160 V

EAC
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# Printed-circuit board connector - MCDN 1,5/12-G1-3,81 P26THR - 1749625

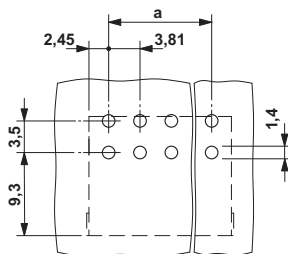
## Approvals

cULus Recognized		
	B	D
Nominal current $I_N$	8 A	8 A
Nominal voltage $U_N$	150 V	150 V

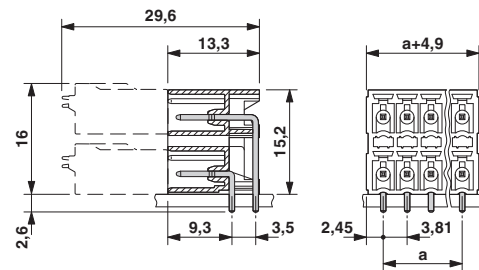
IECEE CB Scheme	
Nominal current $I_N$	8 A
Nominal voltage $U_N$	160 V

## Drawings

Drilling diagram



Dimensional drawing



\*)  $\leq 8$ -pos. = 1.3 /  $> 8$ -pos. = 1.4