

## Printed-circuit board connector - MCV 0,5/12-G-2,5 THT R44 - 1963861

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Header, Nominal current: 4 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 2.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations on Through Hole Reflow Technology can be found at: "Downloads"

### Product Features

- Alternative pin lengths of 1.4 mm or 2.6 mm available on request
- Reel diameter: 330 mm, tape width: 44 mm
- Low-profile THR pin strips with a compact MICRO pitch of 2.5 mm
- Delivery form: box packaging, in bulk for small series
- Delivery form: tape-on-reel packing according to IEC 60286-3 for automated mounting
- Use in SMT reflow processes



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	220 pc
Weight per Piece (excluding packing)	5.4 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	8.1 mm
Pitch	2.50 mm
Dimension a	27.5 mm
Constructional height	10.1 mm
Height	10.1 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	2.50 mm

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## Technical data

### Dimensions

Hole diameter	1.4 mm
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### General

Range of articles	MCV 0,5/...-G-THT
Insulating material group	IIIa
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	4 A
Maximum load current	4 A
Insulating material	PA
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

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637

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## Classifications

### ETIM

ETIM 5.0	EC002637
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### UNSPSC

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

## Approvals

### Approvals


#### Approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / CCA / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized 	
	B
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	125 V

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	32 V

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## Approvals

cUL Recognized	
	B
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	125 V

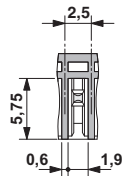
IECEE CB Scheme	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	32 V

CCA	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	32 V

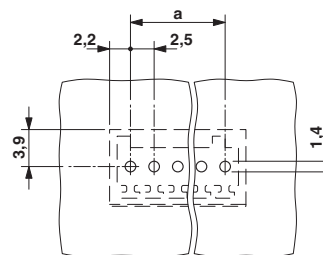
cULus Recognized	
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## Drawings

Dimensional drawing

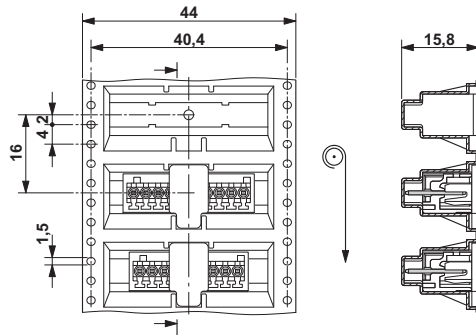


Drilling diagram

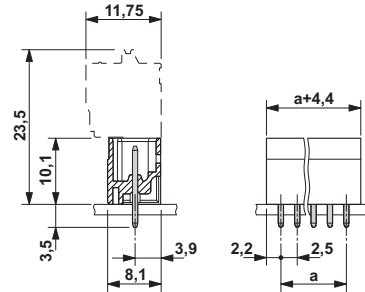


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Dimensional drawing

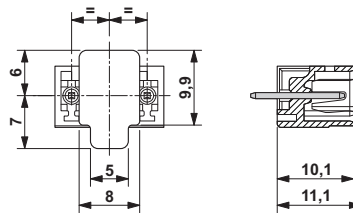


Dimensional drawing



Direction of the arrow = feeding direction

Dimensional drawing



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