

## Base strip - MCD 1,5/16-GF-3,81 - 1830240

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://phoenixcontact.com/download>)



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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

### Product Features

- Plug-in direction parallel to the PCB
- Low-profile double-level pin strips with high contact density



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 112776
Weight per Piece (excluding packing)	15.93 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	21.9 mm
Pitch	3.81 mm
Dimension a	57.15 mm
Constructional height	23 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.2 mm

## Base strip - MCD 1,5/16-GF-3,81 - 1830240

### Technical data

#### General

Range of articles	MCD 1,5/...-GF
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 <sub>N</sub>	8 A
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	16

#### 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	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

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

# Base strip - MCD 1,5/16-GF-3,81 - 1830240

## Classifications

### UNSPSC

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

## Approvals

### Approvals

---

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB CB Scheme / CCA / EAC / cULus Recognized / EAC

---

#### Ex Approvals

---

#### Approvals submitted

---

## Approval details

CSA 		
	B	D
Nominal current I <sub>N</sub>	8 A	8 A
Nominal voltage U <sub>N</sub>	300 V	300 V

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

# Base strip - MCD 1,5/16-GF-3,81 - 1830240

## Approvals

cUL Recognized		
	B	D
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

IECEE CB Scheme	
Nominal current IN	8 A
Nominal voltage UN	160 V

CCA	
Nominal current IN	8 A
Nominal voltage UN	160 V

EAC
-----

cULus Recognized		
	B	D
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

EAC
-----

## Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



## Base strip - MCD 1,5/16-GF-3,81 - 1830240

### Accessories

---

#### Labeled terminal marker

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

---

#### Additional products

Printed-circuit board connector - FMC 1,5/16-STF-3,81 - 1748493



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

---

Printed-circuit board connector - MC 1,5/16-STF-3,81 - 1827842



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

---

Printed-circuit board connector - MCVR 1,5/16-STF-3,81 - 1828485



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

---

## Base strip - MCD 1,5/16-GF-3,81 - 1830240

### Accessories

Printed-circuit board connector - MCVW 1,5/16-STF-3,81 - 1828634



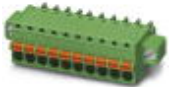
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/16-STF-3,81 - 1850990



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/16-STF-3,81 - 1851371



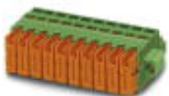
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

Printed-circuit board connector - QC 0,5/16-STF-3,81 - 1897681

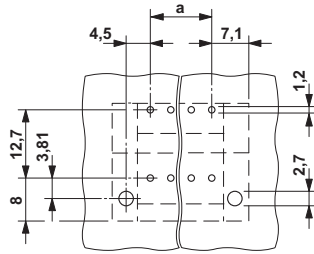


Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

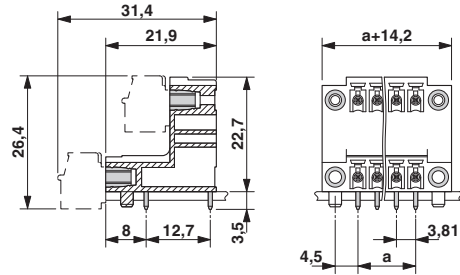
### Drawings

# Base strip - MCD 1,5/16-GF-3,81 - 1830240

Drilling diagram



Dimensional drawing



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1830240](#)