

## Base strip - SMC 1,5/12-G-3,81 - 1827376

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>)

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



The figure shows a 10-position version of the product

### Why buy this product

- Versions with engagement noses for locking plugs with self-locking flanges
- Low-profile pin strips with compact pitches



### Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 215 (CC-2011)
GTIN	 4 017918 114497
Custom tariff number	85366990
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Length	13.1 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Number of positions	12
Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.2 mm

#### Technical data

Range of articles	SMC 1,5/...-G
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

# Base strip - SMC 1,5/12-G-3,81 - 1827376

## Technical data

### Technical data

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
Nominal voltage U <sub>N</sub>	160 V
Maximum load current	8 A
Insulating material	PA
Inflammability class according to UL 94	V0
Color	green
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

## Classifications

### eclass

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

### 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

#### Approvals

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / UL Recognized / GOST / cULus Recognized


# Base strip - SMC 1,5/12-G-3,81 - 1827376

## Approvals


Ex Approvals

Approvals submitted


### Approval details

CSA 


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

UL Recognized 

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

VDE report with production monitoring 

Nominal current IN	8 A
Nominal voltage UN	160 V

cUL Recognized 

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

GOST 

IECEE CB Scheme

Nominal current IN	8 A

# Base strip - SMC 1,5/12-G-3,81 - 1827376

## Approvals

Nominal voltage UN	160 V
--------------------	-------

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

GOST		
------	--	--

cULus Recognized		
------------------	--	--

## Accessories

### Accessories

### Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, 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

### Plug/Adapter

Coding profile - CP-MSTB - 1734634

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



### Additional products

## Base strip - SMC 1,5/12-G-3,81 - 1827376

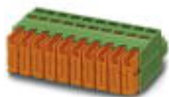
### Accessories

Base strip - IMCV 1,5/12-G-3,81 - 1875522



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - QC 0,5/12-ST-3,81 - 1897490



Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

Printed-circuit board connector - MCVW 1,5/12-ST-3,81 - 1827075



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/12-ST-3,81 - 1850767



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/12-ST-3,81 - 1851148



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Base strip - IMC 1,5/12-G-3,81 - 1862674



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

# Base strip - SMC 1,5/12-G-3,81 - 1827376

## Accessories

### Printed-circuit board connector - MCC 1/12-STZ-3,81 - 1852273



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, 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 - MCVR 1,5/12-ST-3,81 - 1827224



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

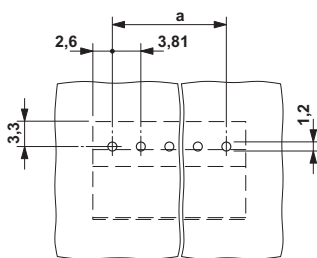
### Printed-circuit board connector - MC 1,5/12-ST-3,81 - 1803675



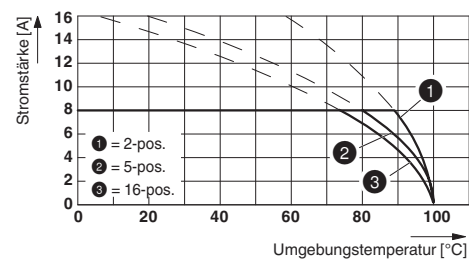
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

## Drawings

### Drilling diagram



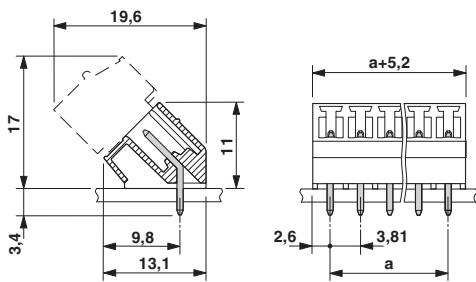
### Diagram



Type: FRONT-MC 1,5/...-ST-3,81 with SMC 1,5/...-G-3,81

## Base strip - SMC 1,5/12-G-3,81 - 1827376

Dimensioned drawing



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>