

## Base strip - PCV 6-16/ 9-G1F-10,16 - 1996414

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>)

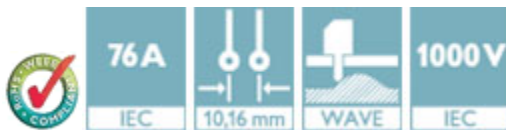


Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Wave soldering

The figure shows a 5-pos. version of the product

### Product Features

- PCB/PCB connections by using IPC 16 headers
- CS-IPC 16/6 for anti-rotation protection during assembly
- Vertical PCV 6-16 headers for use in combination with all PC 6 and PC 16 plugs



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	43.05 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Length	13.4 mm
Pitch	10.16 mm
Dimension a	81.28 mm
Constructional height	38 mm
Height	34 mm
Length of the solder pin	4 mm
Pin dimensions	1 x 1.2 mm
Pin spacing	10.16 mm

## Base strip - PCV 6-16/ 9-G1F-10,16 - 1996414

### Technical data

#### Dimensions

Hole diameter	1.7 mm
---------------	--------

#### General

Range of articles	PCV 6-16/...-G1F
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A (41 A in combination with PC 6 plug)
Maximum load current	76 A (41 A in combination with PC 6 plug)
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	9

#### 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

#### ETIM

ETIM 3.0	EC001121
----------	----------

## Base strip - PCV 6-16/ 9-G1F-10,16 - 1996414

### Classifications

#### ETIM

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

UL Recognized / SEV / cUL Recognized / EAC / IECCE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

UL Recognized 			
	B	C	D
Nominal current I <sub>N</sub>	66 A	66 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

SEV	
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

## Base strip - PCV 6-16/ 9-G1F-10,16 - 1996414


### Approvals

cUL Recognized 			
	B	C	D
Nominal current I <sub>N</sub>	66 A	66 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

EAC
-----

IECEE CB Scheme 	
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

EAC
-----

cULus Recognized 
--

### Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

## Base strip - PCV 6-16/ 9-G1F-10,16 - 1996414

### Accessories

Accessories - CS-IPC 16/ 6 - 1970016



Coding pin, serves to ensure correct polarization on the PCB during manual mounting

---

### Additional products

Plug - SPC 16/ 9-STF-10,16 - 1711446



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Silver

---

Printed-circuit board connector - TPC 16/ 9-STF-10,16 - 1715329



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

---

Printed-circuit board connector - PC 16/ 9-STF-10,16 - 1967524



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

---

### Drawings

Technical drawing of the 3000 series connector, showing side and front views with dimensions.

**Side View Dimensions:**

- Overall height: 34
- Bottom flange thickness: 4
- Internal component height: 10,16
- Bottom flange width: 13,4
- Bottom flange thickness: 1,6

**Front View Dimensions:**

- Overall width:  $a + 27,92$
- Internal component width: 10,16
- Internal component spacing: 10,16
- Internal component width: 10,16
- Internal component spacing:  $a$

# Mouser Electronics

Authorized Distributor

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

Phoenix Contact:

1996414