

## Base strip - IPC 16/ 8-GFU-10,16 - 1969991

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: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Wave soldering, Plug direction parallel to the PCB: connector part rotated by 180° with respect to the plug axis.



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

### Product Features

- Inverted IPC 16 headers for implementing a touch-proof PCB output or a PCB/PCB connection (in combination with PC 6-16 base strips)
- PCB-SHIELD shroud (EMC connection)



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 948740
Weight per Piece (excluding packing)	33.63 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Length	32.1 mm
Pitch	10.16 mm
Dimension a	71.12 mm
Constructional height	14 mm
Length of the solder pin	4 mm
Pin dimensions	0,8 x 1,2

## Base strip - IPC 16/ 8-GFU-10,16 - 1969991

### Technical data

#### Dimensions

Pin spacing	10.16 mm
Hole diameter	1.7 mm

#### General

Range of articles	IPC 16/..-GFU
Insulating material group	I
Rated surge voltage (III/3)	8 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
Nominal current $I_N$	76 A
Maximum load current	76 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	8

#### Standards and Regulations

Connection in acc. with standard	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
ETIM 4.0	EC002637

## Base strip - IPC 16/ 8-GFU-10,16 - 1969991

### Classifications

#### ETIM

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 / IEC6 CB Scheme / EAC / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

#### Approval details

UL Recognized 	B	C	D
Nominal current IN	66 A	66 A	5 A
Nominal voltage UN	300 V	300 V	600 V

SEV	
Nominal current IN	76 A
Nominal voltage UN	1000 V

## Base strip - IPC 16/ 8-GFU-10,16 - 1969991

### Approvals

cUL Recognized 			
	B	C	D
Nominal current IN	66 A	66 A	5 A
Nominal voltage UN	300 V	300 V	600 V

EAC
-----

IECEE CB Scheme 	
Nominal current IN	76 A
Nominal voltage UN	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 - IPC 16/ 8-GFU-10,16 - 1969991

### Accessories

Accessories - CS-IPC 16/ 6 - 1970016



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

---

### Terminal marking

Marker card - SK U/5,0 WH:UNBEDRUCKT - 0803922



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 5 mm

---

### Additional products

Printed-circuit board connector - IPC 16/ 8-STF-10,16 - 1969519



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

---

Printed-circuit board connector - ISPC 16/ 8-STF-10,16 - 1748684



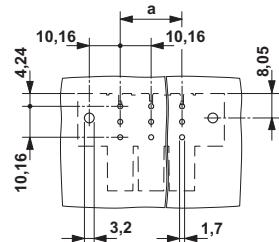
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Silver

---

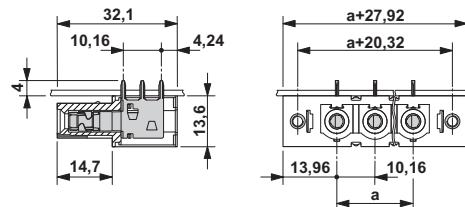
### Drawings

## Base strip - IPC 16/ 8-GFU-10,16 - 1969991

Drilling diagram



Dimensional drawing



The illustration shows the 3-pos. version

The illustration shows the 3-pos. version

# Mouser Electronics

Authorized Distributor

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

[Phoenix Contact:](#)

[1969991](#)