

## Base strip - IPC 16/ 8-GU-10,16 - 1969917

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>)

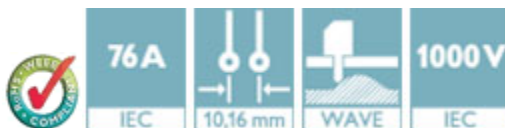


The figure shows a 5-pos. version of the product

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.

### 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                                 | <br>4 017918 948665 |
| Weight per Piece (excluding packing) | 30.77 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-GU-10,16 - 1969917

### Technical data

#### Dimensions

|               |          |
|---------------|----------|
| Pin spacing   | 10.16 mm |
| Hole diameter | 1.7 mm   |

#### General

|  |               |
|--|---------------|
| Range of articles                      | IPC 16/...-GU |
| 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-GU-10,16 - 1969917

### 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 / 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 - IPC 16/ 8-GU-10,16 - 1969917


### 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 - IPC 16/ 8-GU-10,16 - 1969917

### 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-ST-10,16 - 1969438



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-ST-10,16 - 1748600



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

---

Base strip - PC 6-16/ 8-G1-10,16 - 1998991



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

## Base strip - IPC 16/ 8-GU-10,16 - 1969917

### Accessories

#### Base strip - PC 6-16/ 8-G1U-10,16 - 1996294



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

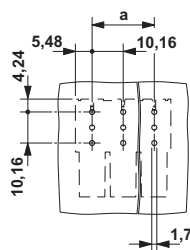
#### Base strip - PCV 6-16/ 8-G1-10,16 - 1998849



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

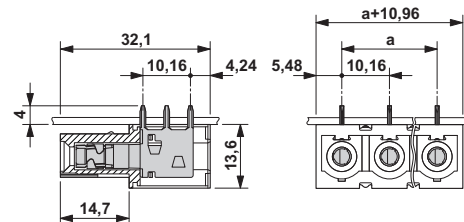
### Drawings

Drilling diagram



The illustration shows the 3-pos. version

Dimensional drawing



The illustration shows the 3-pos. version

# Mouser Electronics

Authorized Distributor

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

Phoenix Contact:

1969917