# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

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)

PCB headers, nominal current: 16 A, rated voltage (III/2): 630 V, nominal cross section: 2.5 mm², number of positions: 10, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm

The figure shows the 5-pos. version

## Your advantages

- Well-known mounting principle allows worldwide use
- Inverted header with socket contacts for touch-proof device outputs or PCB/PCB connections
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 pc |
| GTIN | 4 046356 309455 |
| GTIN | 4046356309455 |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 19 mm |
| Width | 76.2 mm |
| Pitch | 7.62 mm |
| Dimension a | 68.58 mm |
| Width [ w ] | 76.2 mm |
| Height [ h ] | 13.7 mm |
| Installed height | 10.2 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0.47 x 1.14 mm |
| Pin spacing | 5.04 mm |
| Length | 19 mm |

### General

# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

## Technical data

### General

| | |
|---|---|
| Range of articles | GIC 2,5 HC/..-G |
| Insulating material group | I |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 630 V |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 16 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Color | green |
| Number of positions | 10 |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

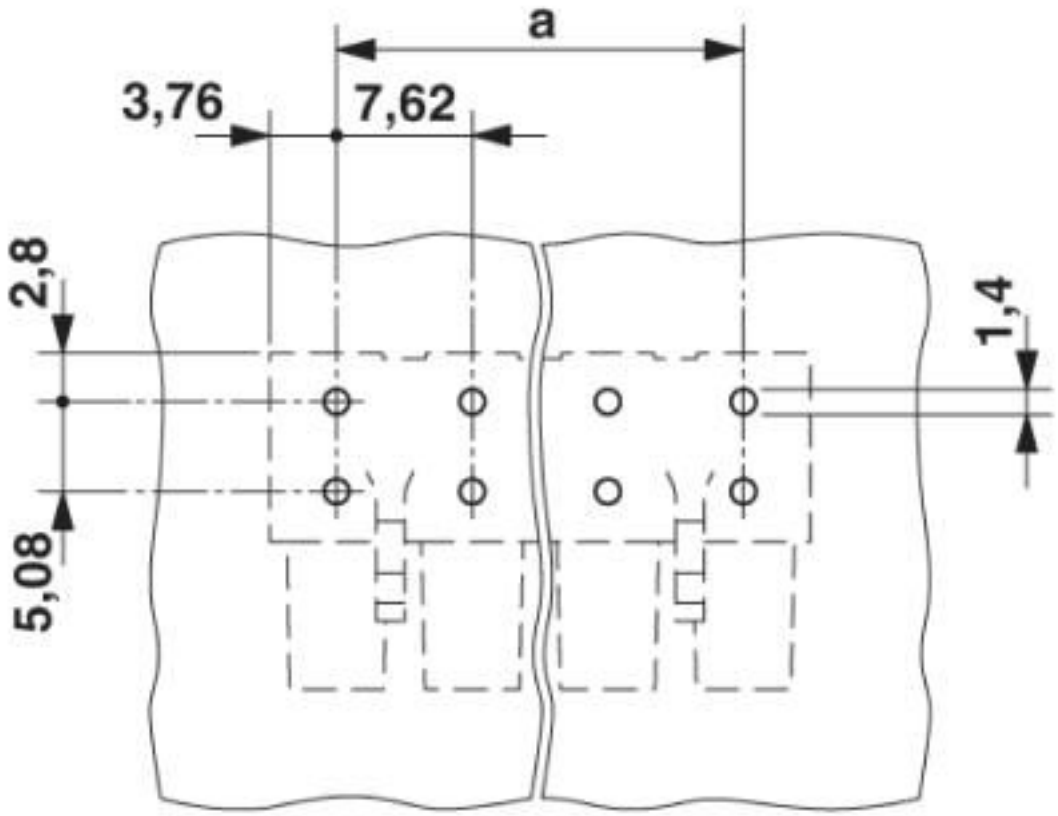
### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

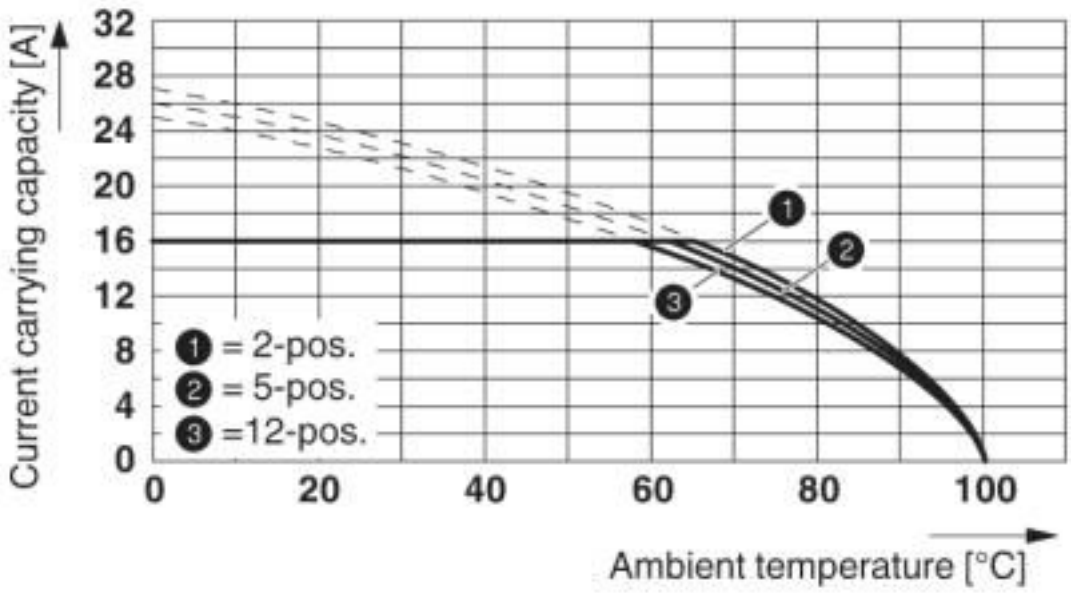
## Drawings

# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

Drilling diagram



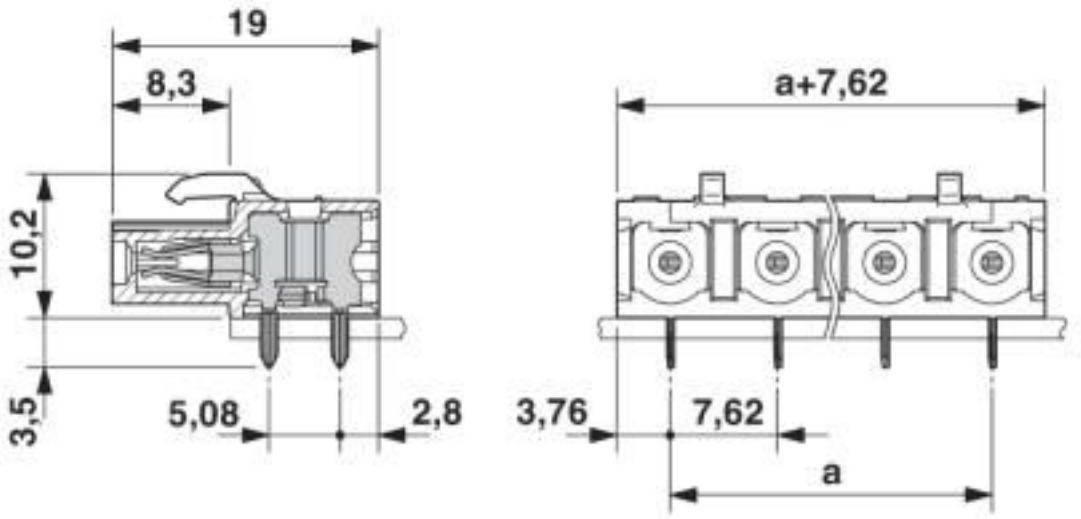

Diagram




Derating curve for: GIC 2,5 HCV/..-ST-7,62 with GIC 2,5 HC/..-G-7,62

# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27440402 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| 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 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |

# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals

### Approvals

Approvals

EAC / cULus Recognized / IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

### Approval details

EAC B.01687

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19931014

| | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 16 A | 10 A |

IECEE CB Scheme http://www.iecee.org/ DE1-60988-B1B2

| | |
|---|---|
| Nominal voltage UN | 400 V |
| Nominal current IN | 16 A |

VDE Zeichengenehmigung http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx 40050079

| | |
|---|---|
| Nominal voltage UN | 400 V |
| Nominal current IN | 16 A |

# Printed-circuit board connector - GIC 2,5 HC/10-G-7,62 - 1745865

## Accessories

### Additional products

Plug - GIC 2,5 HCV/10-ST-7,62 - 1745700

PCB connector, nominal current: 16 A, rated voltage (III/2): 1000 V, nominal cross section: 2.5 mm², number of positions: 10, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

---

Feed-through header - GMSTBA 2,5 HC/10-G-7,62 - 1728934

PCB headers, nominal current: 16 A, rated voltage (III/2): 630 V, nominal cross section: 2.5 mm², number of positions: 10, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.2 mm

---

Printed-circuit board connector - GMSTBVA 2,5 HC/10-G-7,62 - 1792436

PCB headers, nominal current: 16 A, rated voltage (III/2): 630 V, nominal cross section: 2.5 mm², number of positions: 10, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.9 mm

---



PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

# X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** Pluggable Terminal Blocks ***category:***

***Click to view products by*** Phoenix Contact ***manufacturer:***

Other Similar products are found below :

57.510.0053 MC 1.5/ 6-ST-3.5 GY AU 734-104 734-302 8-141-P 8426620000 860505 860810 GBPACX-12 93.731.4953.0 PV05-5,08-K PVP02-5,00 PVP03-3,50 PVP04-3,50 PVS02-5,00 1-1986160-3 1377680000 1531000000 1546228-5 ELFH16150 ELFP03110 ELFP10210 ELFT06250 ELVP03100 1700101 1700410 1700425 1702246 1705229 1710175 1714537 1717806 1719600 1728941 1734692 1734795 1736036 1740194 1740291 1740628 1740990 1746952 1750207 1752441 1752865 1754115 1754144 1756913 1760051 1760336