

Plug - GIC 2,5 HCV/ 5-ST-7,62 - 1745658

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Plug component, Nominal current: 16 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



Product Features

- Compact 7.62 mm pitch
- Unlimited 600 V UL approval
- Inverted GIC 2,5 HCV plugs with pin contacts for touch-proof device outputs (with GIC 2,5 HC/... -G) or free-hanging cable/cable connections (with GMSTB 2,5 HCV/... -ST)



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 10.74 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 7.62 mm |
| Dimension a | 30.48 mm |

General

| | |
|-----------------------------|--------------------|
| Range of articles | GIC 2,5 HCV/...-ST |
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 6 kV |

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Technical data

General

| | |
|--|---------------------|
| 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 | 16 A |
| Nominal cross section | 2.5 mm ² |
| Maximum load current | 16 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 8 mm |
| Number of positions | 5 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm ² |

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Technical data

Connection data

| | |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

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 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

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 / cUL Recognized / EAC / EAC / cULus Recognized


Plug - GIC 2,5 HCV/ 5-ST-7,62 - 1745658


Approvals

Ex Approvals

Approvals submitted


Approval details

| | | |
|---|-------|-------|
| UL Recognized  | | |
| | B | C |
| mm²/AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 16 A | 16 A |
| Nominal voltage U _N | 600 V | 600 V |

| | | |
|--|-------|-------|
| cUL Recognized  | | |
| | B | C |
| mm²/AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 16 A | 16 A |
| Nominal voltage U _N | 600 V | 600 V |

| |
|-----|
| EAC |
|-----|

| |
|-----|
| EAC |
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| |
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| cULus Recognized  |
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Accessories

Additional products

Plug - GIC 2,5 HCV/ 5-ST-7,62 - 1745658

Accessories

Plug - GMSTB 2,5 HCV/ 5-ST-7,62 - 1714304



Plug component, Nominal current: 16 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Base strip - GIC 2,5 HC/ 5-G-7,62 - 1745810



Header, Nominal current: 16 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

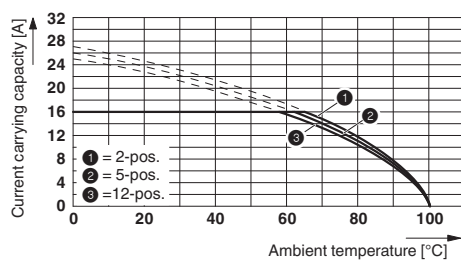
Printed-circuit board connector - GICV 2,5 HC/ 5-G-7,62 - 1756511



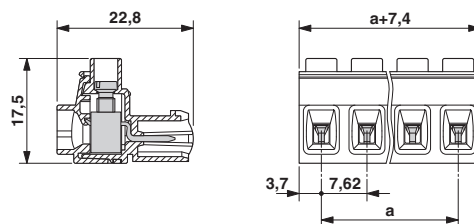
Header, Nominal current: 16 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Drawings

Diagram



Dimensional drawing



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

Mouser Electronics

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