

Printed-circuit board connector - IPC 35 HC/ 4-STGF-15,00 - 1784871

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Plug component, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 4, Pitch: 15 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Product Features

- ✓ Low insertion and withdrawal forces for user-friendly device connection
- ✓ Connection capacity of up to 35 mm²
- ✓ Current carrying capacity of up to 125 A
- ✓ Unlimited 600 V UL approval
- ✓ Inverted high-capacity plugs with pin contact for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Standard with screw flange for reliable connection even in applications subject to vibration



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 25 pc |
| Weight per Piece (excluding packing) | 131.2 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-------------|----------|
| Length | 58 mm |
| Height | 40 mm |
| Pitch | 15.00 mm |
| Dimension a | 45 mm |

General

| | |
|-------------------|-------------------|
| Range of articles | IPC 35 HC/...STGF |
|-------------------|-------------------|

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Technical data

General

| | |
|--|--------------------|
| 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 |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 125 A |
| Nominal cross section | 35 mm ² |
| Maximum load current | 125 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 20 mm |
| Number of positions | 4 |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 4.5 Nm |

Connection data

| | |
|---|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 35 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 2 |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| 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. | 6 mm ² |
| Minimum AWG according to UL/CUL | 16 |
| Maximum AWG according to UL/CUL | 2 |

Standards and Regulations

| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | UL |
| 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 | 27141190 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |

ETIM

| | |
|----------|----------|
| 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

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Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / CCA / IECEE CB Scheme / EAC

Ex Approvals

Approvals submitted

Approval details

UL Recognized

| | | B | C |
|--------------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 16-12 | 16-2 | 16-2 |
| Nominal current I _N | 20 A | 115 A | 115 A |
| Nominal voltage U _N | 600 V | 600 V | 600 V |

VDE Gutachten mit Fertigungsüberwachung

| | |
|--------------------------------|--------|
| mm ² /AWG/kcmil | 0.5-35 |
| Nominal current I _N | 125 A |
| Nominal voltage U _N | 1000 V |

CCA

IECEE CB Scheme

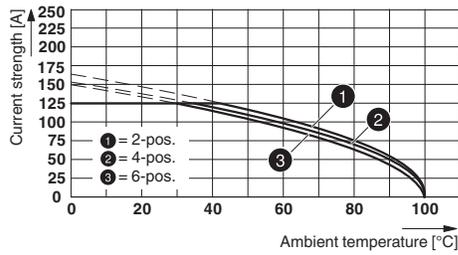
| | |
|--------------------------------|--------|
| Nominal current I _N | 125 A |
| Nominal voltage U _N | 1000 V |

EAC

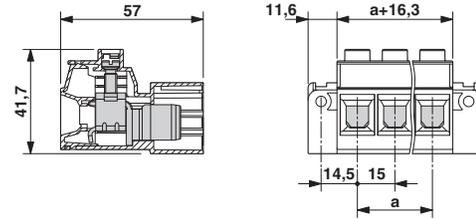
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Drawings

Diagram



Dimensional drawing



PC 35 HC/..-STF-15,0 with IPC 35 HC/..-STGF-15,0
Derating curve, representation based on DIN EN 60512-5-2:2003-01
Connected conductor cross section = 35 mm²
Reduction factor = 0.8
Number of positions: see diagram