

## Printed-circuit board connector - IPC 35 HC/ 3-STGF-15,00 - 1784868

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Plug component, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 15 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

### Why buy this product

- ✓ Low insertion and withdrawal forces for user-friendly device connection
- ✓ Connection capacity of up to 35 mm<sup>2</sup>
- ✓ Current carrying capacity of up to 125 A
- ✓ Unlimited 600 V UL approval
- ✓ Standard with screw flange for reliable connection even in applications subject to vibration
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Inverted high-capacity plugs with pin contact for touch-proof device outputs or free-hanging cable/cable connections



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 0                                                                                                       |
| Minimum order quantity | 1                                                                                                       |
| Catalog page           | Page 495 (CC-2011)                                                                                      |
| GTIN                   | <br>4 046356 561174 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |        |
|------------------------|--------|
| Length                 | 58 mm  |
| Height                 | 40 mm  |
| Pitch                  | 15 mm  |
| Dimension a            | 30 mm  |
| Number of positions    | 3      |
| Screw thread           | M5     |
| Tightening torque, min | 2.5 Nm |

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## Technical data

### Dimensions / positions

|                       |        |
|-----------------------|--------|
| Tightening torque max | 4.5 Nm |
|-----------------------|--------|

### Technical data

|                                         |                    |
|-----------------------------------------|--------------------|
| Range of articles                       | IPC 35 HC/...STGF  |
| 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/2)                   | 1000 V             |
| Rated voltage (II/2)                    | 1000 V             |
| Connection in acc. with standard        | EN-VDE             |
| Nominal current I <sub>N</sub>          | 125 A              |
| Nominal voltage U <sub>N</sub>          | 1000 V             |
| Nominal cross section                   | 35 mm <sup>2</sup> |
| Maximum load current                    | 125 A              |
| Insulating material                     | PA                 |
| Inflammability class according to UL 94 | V0                 |
| Stripping length                        | 20 mm              |
| Nominal voltage, UL/CUL Use Group B     | 600 V              |
| Nominal current, UL/CUL Use Group B     | 115 A              |
| Nominal voltage, UL/CUL Use Group C     | 600 V              |
| Nominal current, UL/CUL Use Group C     | 115 A              |

### Connection data

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

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## Technical data

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm <sup>2</sup>   |
| Minimum AWG according to UL/CUL                                                         | 16                  |
| Maximum AWG according to UL/CUL                                                         | 2                   |

## Classifications

### eclass

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

### etim

|          |          |
|----------|----------|
| ETIM 4.0 | 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

UL Recognized / GOST

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Ex Approvals

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Approvals submitted

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### Approvals

#### Approval details

|                                                                                                 |       |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|
| UL Recognized  |       |       |       |
|                                                                                                 |       | B     | C     |
| mm²/AWG/kcmil                                                                                   | 16-12 | 16-2  | 16-2  |
| Nominal current IN                                                                              | 20 A  | 115 A | 115 A |
| Nominal voltage UN                                                                              | 600 V | 600 V | 600 V |

|                                                                                        |
|----------------------------------------------------------------------------------------|
| GOST  |
|----------------------------------------------------------------------------------------|

### Accessories

#### Accessories

##### Plug/Adapter

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

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### Tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, bladed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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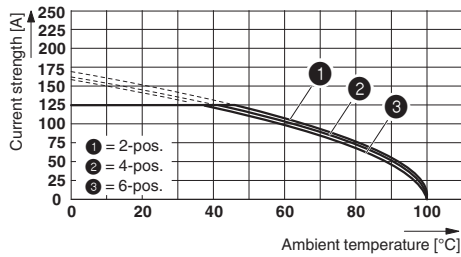
Screw set - DFK-IPC 35-SS - 1703166

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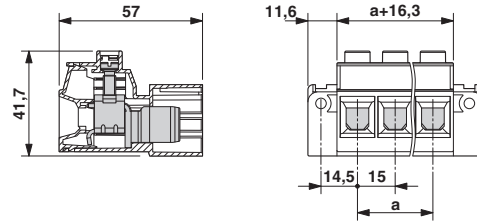
### Drawings

## Printed-circuit board connector - IPC 35 HC/ 3-STGF-15,00 - 1784868

Diagram



Dimensioned 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 mm<sup>2</sup>

Reduction factor = 0.8

Number of positions: see diagram