

# Printed-circuit board connector - IPC 35 HC/ 4-STGF-SH-15,00 - 1784907

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PCB connector, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm<sup>2</sup>, number of positions: 4, pitch: 15 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

## Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Shield for adherence to the EMC requirements and an optional strain relief
- ✓ Screwable flange for superior mechanical stability



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 10 pc         |
| GTIN         |               |
| GTIN         | 4046356561211 |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 155.8 mm |
| Width [ w ]  | 84.4 mm  |
| Height [ h ] | 42.5 mm  |
| Pitch        | 15 mm    |
| Dimension a  | 45 mm    |

### General

|                     |                                      |
|---------------------|--------------------------------------|
| Range of articles   | IPC 35 HC/...STGF-SH                 |
| Number of positions | 4                                    |
| Connection method   | Screw connection with tension sleeve |

# Printed-circuit board connector - IPC 35 HC/ 4-STGF-SH-15,00 - 1784907

## 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 <sup>2</sup> |
| Maximum load current                   | 125 A              |
| Insulating material                    | PA                 |
| Flammability rating according to UL 94 | V0                 |
| Stripping length                       | 20 mm              |
| 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 <sup>2</sup> |
| Conductor cross section solid max.   | 35 mm <sup>2</sup>  |
| Conductor cross section flexible min.  | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max.  | 35 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                             | 1 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve max.                             | 35 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                                | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                                | 35 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 20                  |
| Conductor cross section AWG 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>   |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum  | 0.5 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum  | 4 mm <sup>2</sup>   |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm <sup>2</sup> |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 6 mm <sup>2</sup>   |

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## Technical data

### Connection data

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

### Standards and Regulations

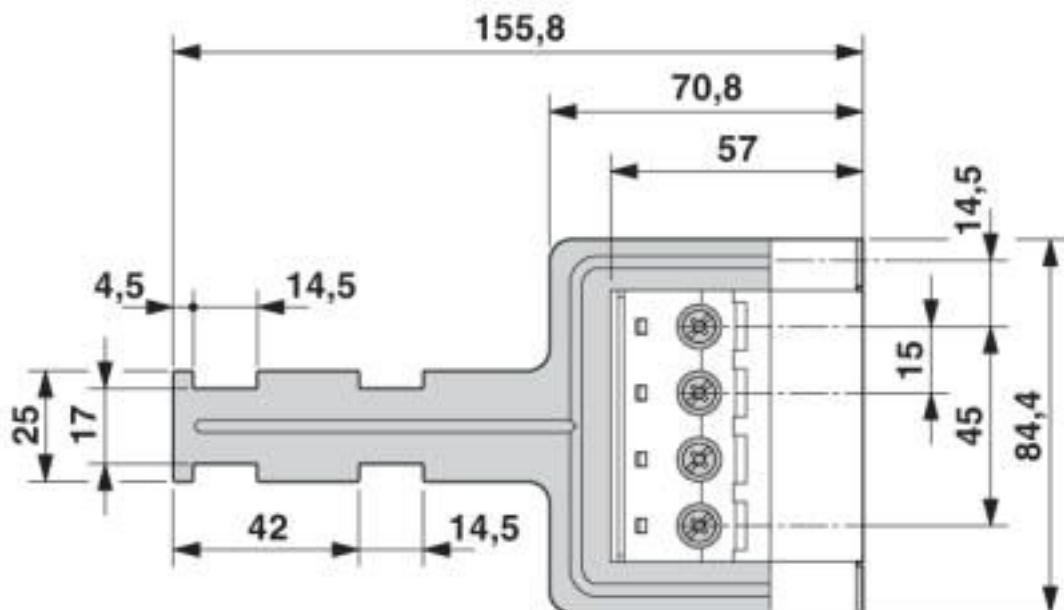
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | UL     |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Dimensional drawing



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440309 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |
| ETIM 7.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

## Approvals

### Approvals

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#### Approvals

CCA / UL Recognized / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC

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#### Ex Approvals

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### Approval details

|     |                |
|-----|----------------|
| CCA | CCA/ DE1 34354 |
|-----|----------------|

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## Approvals

|                            |       |   |                 |
|----------------------------|-------|---|-----------------|
| UL Recognized              |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20101007 |
|                            | B     | C   |                 |
| Nominal voltage UN         | 600 V | 600 V   |                 |
| Nominal current IN         | 115 A | 115 A   |                 |
| mm <sup>2</sup> /AWG/kcmil | 16-2  | 16-2  |                 |

|                    |        |   |              |
|--------------------|--------|---|--------------|
| IECEE CB Scheme    |        | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CB DE1-63848 |
| Nominal voltage UN | 1000 V |   |              |
| Nominal current IN | 125 A  |   |              |

|   |        |   |          |
|---|--------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |        | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40039053 |
| Nominal voltage UN                      | 1000 V |   |          |
| Nominal current IN                      | 125 A  |   |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.5-35 |   |          |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01687 |
|-----|--|---------|

## Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

## Screwdriver tools

# Printed-circuit board connector - IPC 35 HC/ 4-STGF-SH-15,00 - 1784907

## Accessories

Screwdriver - SF-TX 20X80 VDE - 1200158



Screwdriver, Torx®, VDE-insulated, TX 20 x 80, two-component handle

Screw insert - SF-BIT-TX 20-50 - 1212578



Screw bit, Torx®, E6.3-1/4" drive, size: TX 20 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

## Terminal marking

Marker strip - SK 10,0 WH:REEL - 0812188



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 90000 mm, lettering field size: continuous x 10#mm, Number of individual labels: 54000

## Tool set

Tool set - SF-M SET - 1212543



Bit screwdriver set with quick-action chuck, 89 mm long slotted/crosshead (PZ and PH)/hex/Torx® bits, 17-part, in folding belt pouch, contents: PH 1,2,3 x 89; PZ 1,2,3 x 89; SL 1.5 x 5.5 x 89; TX 10-30 x 89; SW 3,4,5,6 x 89

Tool set - SF-LTX SET - 1200162



Offset screwdriver set, Torx, metric, TX 8, 9, 10, 15, 20, 25; 27, 30, 40 mm, 9-piece, BlackLaser surface, in practical holder

## Additional products

## Printed-circuit board connector - IPC 35 HC/ 4-STGF-SH-15,00 - 1784907

### Accessories

Printed-circuit board connector - PC 35 HC/ 4-STF-15,00 - 1762615



PCB connector, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm<sup>2</sup>, number of positions: 4, pitch: 15 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

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Printed-circuit board connector - PC 35 HC/ 4-STF-SH-15,00 - 1762848



PCB connector, nominal current: 125 A, rated voltage (III/2): 1000 V, nominal cross section: 35 mm<sup>2</sup>, number of positions: 4, pitch: 15 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

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