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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Printed-circuit board connector - IPC 35 HC/ 4-STF-SH-15,00 - 1784842

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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

### 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
- ✓ 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	0
Minimum order quantity	1
Catalog page	Page 495 (CC-2011)
GTIN	 4 046356 561150
Custom tariff number	85366990
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Length	58 mm
Height	42.5 mm
Pitch	15 mm
Dimension a	45 mm
Number of positions	4
Screw thread	M5
Tightening torque, min	2.5 Nm

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## Technical data

### Dimensions / positions

Tightening torque max	4.5 Nm
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### Technical data

Range of articles	IPC 35 HC/...STF-SH
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
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### 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

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Ex Approvals

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Approvals submitted


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# Printed-circuit board connector - IPC 35 HC/ 4-STF-SH-15,00 - 1784842

## Approvals

### Approval details

UL Recognized 			
		B	C
mm²/AWG/kcmil	16-12	16-2	16-2
Nominal current I <sub>N</sub>	20 A	115 A	115 A
Nominal voltage U <sub>N</sub>	600 V	600 V	600 V

## 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

## 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

## Drawings

### Dimensioned drawing

