

## Printed-circuit board connector - PC 35 HC/ 2-STF-15,00 - 1762592

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Plug component, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 2, 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
- ✓ High-capacity plugs with a current carrying capacity of up to 125 A and a connection capacity of 35 mm<sup>2</sup>, solid
- ✓ 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



### Key commercial data

Packing unit	25 pc
Minimum order quantity	25 pc
GTIN	 4 046356 441216
Weight per Piece (excluding packing)	73.65 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Length	50.3 mm
Height	40 mm
Pitch	15 mm
Dimension a	15 mm

#### General

Range of articles	PC 35 HC/...-STF
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV

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## Technical data

### General

Rated surge voltage (II/2)	6 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
Inflammability class according to UL 94	V0
Stripping length	20 mm
Number of positions	2
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 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>
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

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### Technical data

#### Connection data

Maximum AWG according to UL/CUL	2
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### 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

#### 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 / VDE Gutachten mit Fertigungsüberwachung / CCA / IECCEB Scheme / EAC / cULus Recognized


#### Ex Approvals


#### Approvals submitted


#### Approval details

## Printed-circuit board connector - PC 35 HC/ 2-STF-15,00 - 1762592


### Approvals

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

cUL Recognized 			
		B	C
mm²/AWG/kcmil	16-12	16-2	16-2
Nominal current I <sub>N</sub>	20 A	105 A	105 A
Nominal voltage U <sub>N</sub>	600 V	600 V	600 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.5-35
Nominal current I <sub>N</sub>	125 A
Nominal voltage U <sub>N</sub>	1000 V

CCA
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IECEE CB Scheme 	
Nominal current I <sub>N</sub>	125 A
Nominal voltage U <sub>N</sub>	1000 V

EAC
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cULus Recognized 	
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### Accessories

#### Additional products

## Printed-circuit board connector - PC 35 HC/ 2-STF-15,00 - 1762592

### Accessories

Printed-circuit board connector - PC 35 HC/ 2-GF-15,00 - 1762741



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Printed-circuit board connector - PCV 35 HC/ 2-GF-15,00 - 1762796



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Soldering

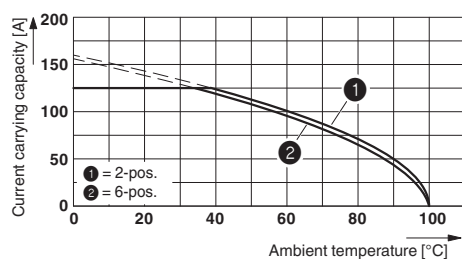
Printed-circuit board connector - IPC 35 HC/ 2-STGF-15,00 - 1784855



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

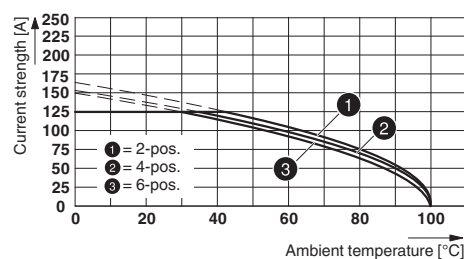
### Drawings

Diagram



Type: PC 35 HC/...-STF-15,00 with PC 35 HC/...-GF-15,00

Diagram



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

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Dimensioned drawing

