

## Printed-circuit board connector - PC 35 HC/ 6-STF-15,00 - 1762631

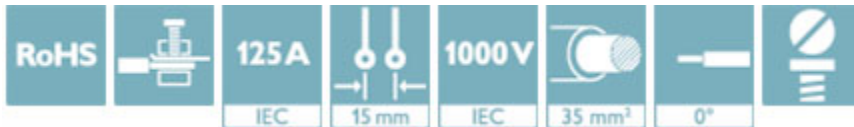
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PCB connector, nominal current: 125 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 15 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver



### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Screwable flange for superior mechanical stability
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	
GTIN	4046356441254
Weight per Piece (excluding packing)	114.000 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Length [ l ]	52 mm
Width [ w ]	114.4 mm
Height [ h ]	40 mm

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## Technical data

### Dimensions

Pitch	15 mm
Dimension a	75 mm

### General

Range of articles	PC 35 HC/...STF
Number of positions	6
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
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
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
Note	Tightening torque $\leq 25 \text{ mm}^2$ is 2.5 Nm, $> 25 \text{ mm}^2$ is 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>

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## Technical data

### Connection data

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
Maximum AWG according to UL/CUL	2

### Standards and Regulations

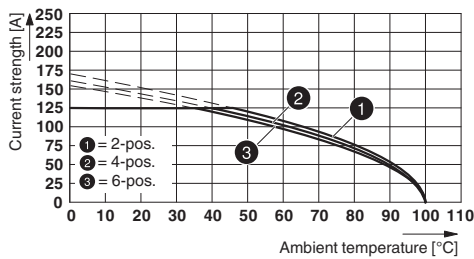
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

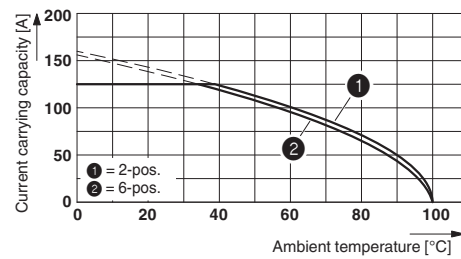
## Drawings

Diagram



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

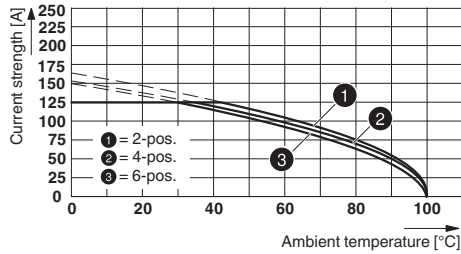
Diagram



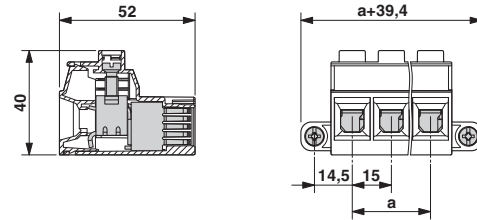
Type: PC 35 HC/...-STF-15,00 with PC 35 HC/...-GF-15,00

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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 mm<sup>2</sup>  
 Reduction factor = 0.8  
 Number of positions: see diagram

## Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

## ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

## UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

Approvals

# Printed-circuit board connector - PC 35 HC/ 6-STF-15,00 - 1762631

## Approvals


### Approvals


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


### Ex Approvals


### Approval details

CCA	CCA/ DE1 34354
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CB DE1-60040
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.01742
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cULus 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	

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### Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



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

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### Additional products

Printed-circuit board connector - PC 35 HC/ 6-GF-15,00 - 1762783



PCB headers, nominal current: 125 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 15 mm, color: green, contact surface: Silver, mounting: Wave soldering

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Printed-circuit board connector - PCV 35 HC/ 6-GF-15,00 - 1762835



PCB headers, nominal current: 125 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 15 mm, color: green, contact surface: Silver, mounting: Wave soldering