

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

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
- ✓ High-capacity plugs with a current carrying capacity of up to 125 A and a connection capacity of 35 mm², solid
- ✓ Unlimited 600 V UL approval
- ✓ 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	25 pc
Minimum order quantity	25 pc
GTIN	 4 046356 441230
Weight per Piece (excluding packing)	132.83 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length	50.3 mm
Height	40 mm
Pitch	15 mm
Dimension a	45 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

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

Technical data

General

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 ²
Maximum load current	125 A
Insulating material	PA
Inflammability class according to UL 94	V0
Stripping length	20 mm
Number of positions	4
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 ²
Conductor cross section solid max.	35 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	35 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	1 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm ²
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 ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	16

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

Technical data

Connection data

Maximum AWG according to UL/CUL	2
---------------------------------	---

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 / IECCE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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

Approvals

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

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

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

CCA

IECEE CB Scheme 	
Nominal current I _N	125 A
Nominal voltage U _N	1000 V

EAC

cULus Recognized 	
--	--

Accessories

Additional products

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

Accessories

Printed-circuit board connector - PC 35 HC/ 4-GF-15,00 - 1762767



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 4, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Printed-circuit board connector - PCV 35 HC/ 4-GF-15,00 - 1762819



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 4, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Printed-circuit board connector - IPC 35 HC/ 4-STGF-15,00 - 1784871



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

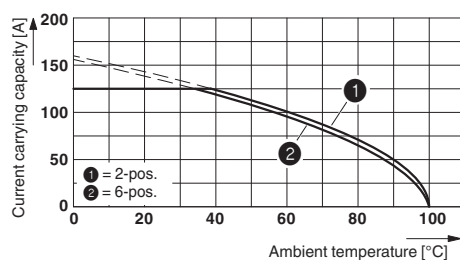
Printed-circuit board connector - IPC 35 HC/ 4-STGF-SH-15,00 - 1784907



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

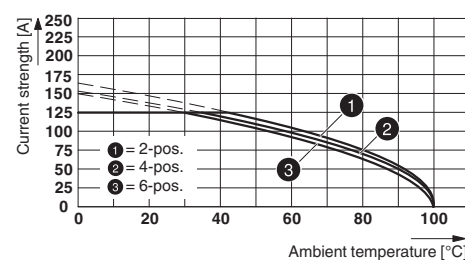
Drawings

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 mm²

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

Reduction factor = 0.8

Number of positions: see diagram

Dimensioned drawing

