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

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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

Product Features

- 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	1 pc
Minimum order quantity	25 pc
Weight per Piece (excluding packing)	135.2 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length	50.3 mm
Height	40 mm
Pitch	15.00 mm
Dimension a	45 mm

General

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

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

Technical data

General

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 mm²
Maximum load current	125 A
Insulating material	PA
Flammability rating 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
Note	Tightening torque ≤ 25 mm² is 2.5 Nm, > 25 mm² is 4.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	35 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	2
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²

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

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
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

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

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

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Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized

		B	C
mm²/AWG/kcmil	16-12	16-2	16-2
Nominal current IN	20 A	115 A	115 A
Nominal voltage UN	600 V	600 V	600 V

cUL Recognized

		B	C
mm²/AWG/kcmil	16-12	16-2	16-2
Nominal current IN	20 A	105 A	105 A
Nominal voltage UN	600 V	600 V	600 V

VDE Gutachten mit Fertigungsüberwachung

mm²/AWG/kcmil	0.5-35
Nominal current IN	125 A
Nominal voltage UN	1000 V

CCA

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

Approvals

IECEE CB Scheme

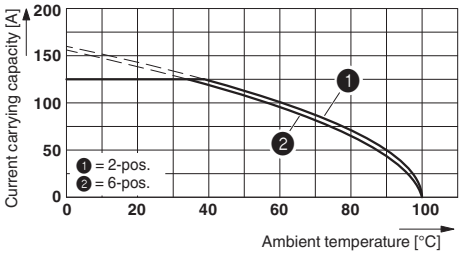
Nominal current IN	125 A
Nominal voltage UN	1000 V

EAC

cULus Recognized

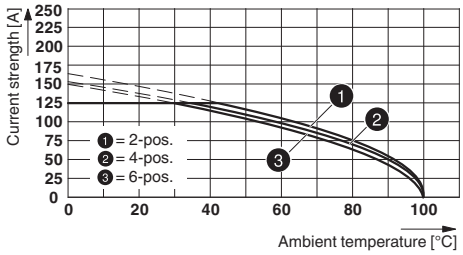
Drawings

Diagram



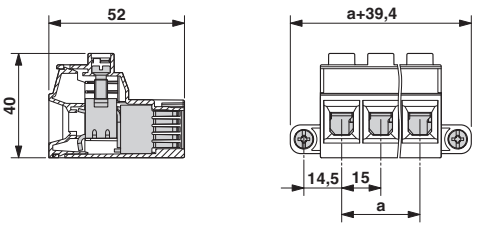
Type: PC 35 HC/...-STF-15,00 with PC 35 HC/...-GF-15,00

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
Reduction factor = 0.8
Number of positions: see diagram

Dimensional drawing



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