

<https://www.phoenixcontact.com/cn/products/1784855>

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

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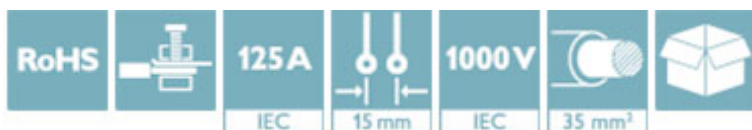


The figure shows a 4-pos. version of the product

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

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Screwable flange for superior mechanical stability



Key Commercial Data

Packing unit	25 STK
Minimum order quantity	25 STK
GTIN	 4 046356 561167
GTIN	4046356561167
Sales Key	AABGCA

Technical data

Dimensions

Length	58 mm
Height	40 mm
Pitch	15 mm
Dimension a	15 mm

General

Range of articles	IPC 35 HC/...STGF
Type of contact	Male connector
Number of positions	2

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Technical data

General

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)	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
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

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	35 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG 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

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Technical data

Connection data

Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	2

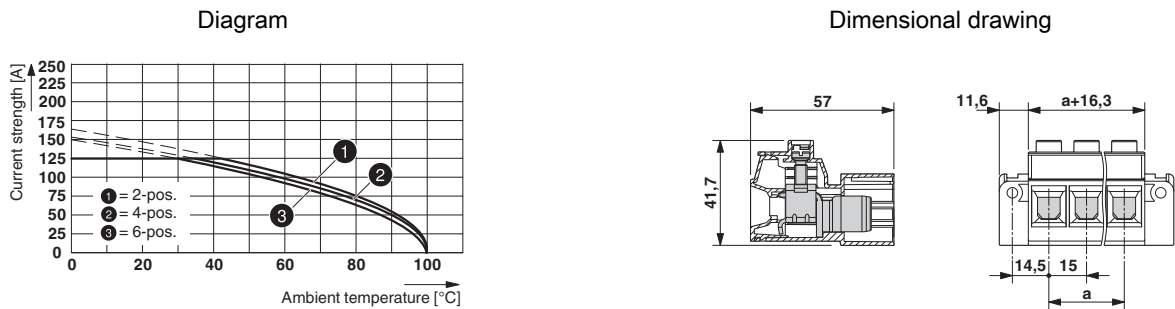
Standards and Regulations

Connection in acc. with standard	EN-VDE
	UL
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



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

Approvals

Approvals

Approvals
UL Recognized / VDE Gutachten mit Fertigungsüberwachung / CCA / IECCEB Scheme / EAC

Ex Approvals

Approval details

<https://www.phoenixcontact.com/cn/products/1784855>

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	16-2	16-2	
Nominal current I _N	115 A	115 A	
Nominal voltage U _N	600 V	600 V	

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40039053
mm ² /AWG/kcmil	0.5-35		
Nominal current I _N	125 A		
Nominal voltage U _N	1000 V		

CCA	CCA/ DE1 34354
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IECEE CB Scheme		http://www.iecee.org/	CB DE1-53273
Nominal current I _N	125 A		
Nominal voltage U _N	1000 V		

EAC		B.01742
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