

Printed-circuit board connector - PC 35 HC/ 5-STF-15,00 - 1762628

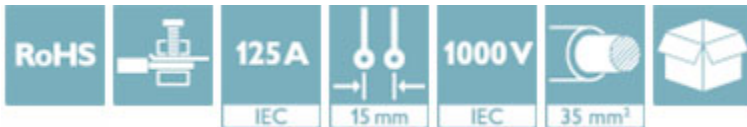
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Plug component, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 15 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver



Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ 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 STK
Minimum order quantity	10 STK
GTIN	 4 046356 441247
GTIN	4046356441247
Weight per Piece (excluding packing)	180.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length	50.3 mm
Height	40 mm
Pitch	15.00 mm

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Technical data

Dimensions

Dimension a	60 mm
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General

Range of articles	PC 35 HC/...STF
Type of contact	Female connector
Number of positions	5
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
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 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

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Technical data

Connection data

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
Maximum AWG according to UL/CUL	2

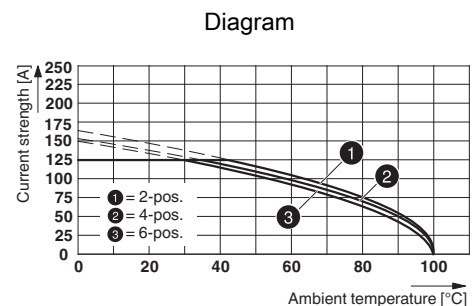
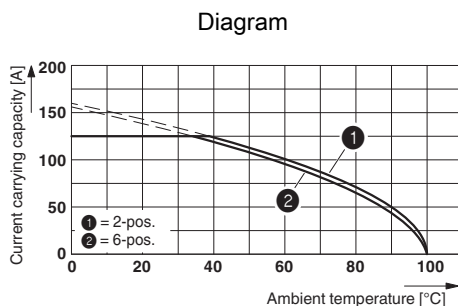
Standards and Regulations

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

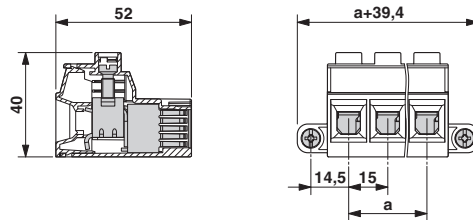


Type: PC 35 HC/...-STF-15,00 with PC 35 HC/...-GF-15,00

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

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Dimensional drawing



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
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

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


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Approvals

Ex Approvals


Approval details

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 IN	115 A	115 A	
Nominal voltage UN	600 V	600 V	

cUL 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 IN	105 A	105 A	
Nominal voltage UN	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 IN	125 A		
Nominal voltage UN	1000 V		


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

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Approvals

EAC	B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

Additional products

Printed-circuit board connector - PC 35 HC/ 5-GF-15,00 - 1762770



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Wave soldering

Printed-circuit board connector - PCV 35 HC/ 5-GF-15,00 - 1762822



Header, Nominal current: 125 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 15 mm, Color: green, Contact surface: Silver, Mounting: Wave soldering