

Printed-circuit board connector - PC 5/ 6-STF1-7,62 - 1777875

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin




Why buy this product

- ✓ Unlimited 600 V UL approval
- ✓ CP-PC coding profile as protection against mismatching
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Automatic, tool-free snap-lock mechanism using the Click and Lock system (-STCL); high level of safety even in the event of vibrations
- ✓ High-capacity plugs with a current carrying capacity of 41 A and a connection capacity of 6 mm², stranded/10 mm², solid



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 523011
Weight per Piece (excluding packing)	29.48 g
Custom tariff number	85366990
Country of origin	Germany
Product key	AABCCA

Technical data

Dimensions

Length	35.5 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	38.1 mm

General

Range of articles	PC 5/..-STF1
Insulating material group	I
Rated surge voltage (III/3)	8 kV

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Technical data

General

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
Nominal current I _N	41 A
Nominal cross section	6 mm ²
Maximum load current	41 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Number of positions	6
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

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Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals


Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	41 A	41 A

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Approvals

	B	C
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	41 A	41 A
Nominal voltage UN	600 V	600 V

EAC

cULus Recognized

Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Additional products

Printed-circuit board connector - PC 5/ 6-STF1-7,62 - 1777875

Accessories

Printed-circuit board connector - IPC 5/ 6-STGF-7,62 - 1709306



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - ISPC 5/ 6-STGF-7,62 - 1749243



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - PC 5/ 6-GF-7,62 - 1720835



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - PC 5/ 6-GFU-7,62 - 1721054



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Housing - PCV 5/ 6-GF-7,62 - 1720945



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - PC 5/ 6-STF1-7,62 - 1777875

Accessories

Printed-circuit board connector - DFK-PC 5/ 6-GF-7,62 - 1727731



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 6-GFU-7,62 - 1727951



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PCV 5/ 6-GF-7,62 - 1716438



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 6-GF-SH-7,62 - 1716108



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 6-GFU-SH-7,62 - 1716218



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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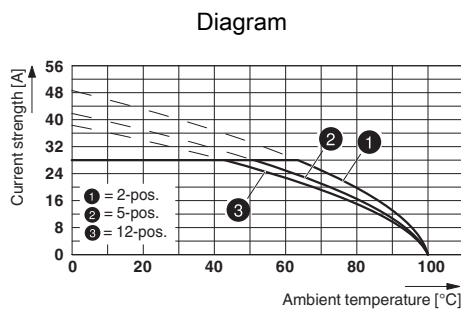
Accessories

Printed-circuit board connector - DFK-PC 5/ 6-STF-7,62 - 1716658

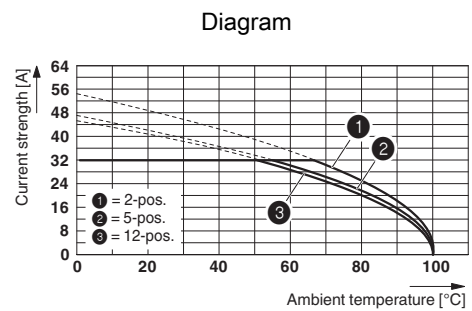


Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

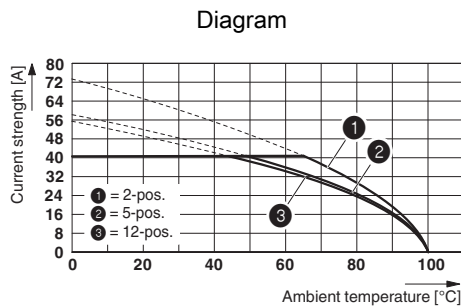
Drawings



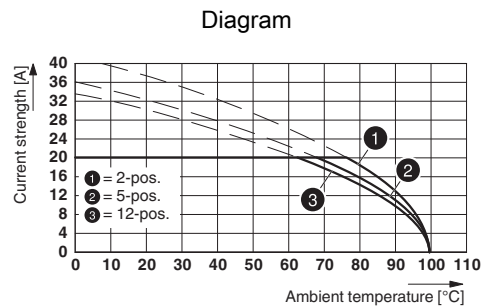
Derating curve for: PC 5/...-ST1-7,62 with PC 4/...-G-7,62
Conductor cross section: 4 mm²



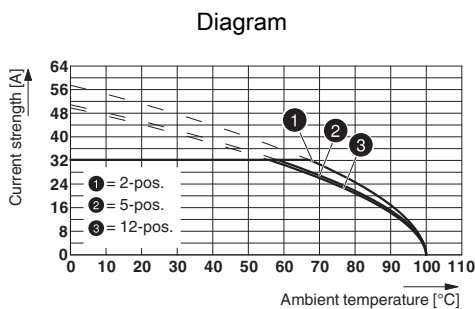
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 6 mm²



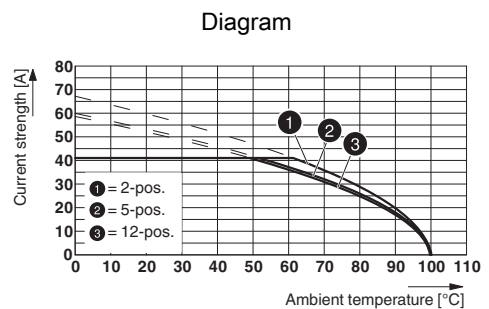
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 10 mm²



Type: PC 5/...-STF1-7,62 with PCVK 4-7,62 and PCVK 4-7,62-F



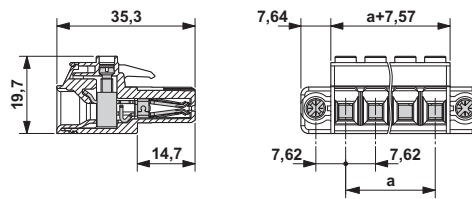
Type: PC 5/...-ST(F)1-7,62 with PC 5/...-GU(F)-7,62
Conductor cross section: 6 mm²



Type: PC 5/...-ST(F)1-7,62 with PC 5/...-G(F)U-7,62
Conductor cross section: 10 mm²

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Dimensional drawing



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