

Printed-circuit board connector - IPC 5/ 8-ST-7,62 - 1709102

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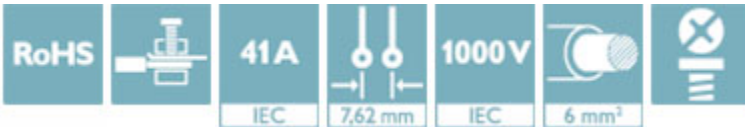


PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 8, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

The figure shows a 5-pos. version of the product

Your advantages

- ✓ 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
- ✓ 600 V UL approval in the smallest of dimensions



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 075640
GTIN	4046356075640
Weight per Piece (excluding packing)	35.590 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length [l]	36.55 mm
Width [w]	60.96 mm
Height [h]	22.9 mm

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Technical data

Dimensions

Pitch	7.62 mm
Dimension a	53.34 mm

General

Range of articles	IPC 5/...-ST
Number of positions	8
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)	6 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	41 A
Nominal cross section	6 mm ²
Maximum load current	41 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	10 mm
Screw thread	M3
Tightening torque, min	0.7 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

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Technical data

Connection data

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

Standards and Regulations

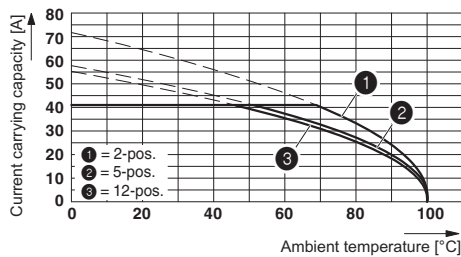
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

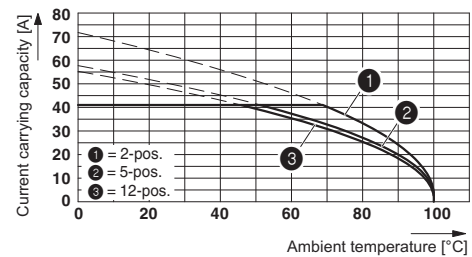
Drawings

Diagram



Derating curve for: IPC 5/...-ST-7,62 with PC 5/...-ST-7,62
Conductor cross section = 10 mm²

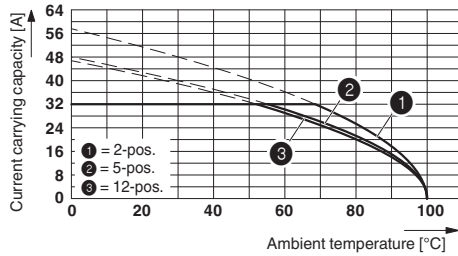
Diagram



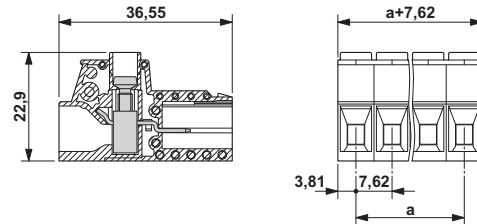
Derating curve for: IPC 5/...-ST-7,62 with IPC 5/...-G-7,62
Conductor cross section = 10 mm²

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Diagram



Dimensional drawing



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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	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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Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920722
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	41 A	41 A	
mm ² /AWG/kcmil	24-8	24-8	

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



Labeled terminal marker

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549

Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: adhesive, for terminal block width: 7.62 mm, lettering field size: 7.62 x 3.8 mm



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Accessories

Marker card - SK 3,8 REEL P7,62 WH CUS - 0825128



Marker card, can be ordered: By card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 7.62 mm, lettering field size: continuous x 3.8 mm

Screwdriver tools

Philips screwdriver - SZK PZ1 VDE - 1206450



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

Terminal marking

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm

Marker strip - SK 3,8 WH:REEL - 0805218



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 90000 mm, lettering field size: continuous x 3.8 mm

Additional products

Printed-circuit board connector - IPC 5/ 8-ST-7,62 - 1709102

Accessories

Printed-circuit board connector - PC 5/ 8-ST1-7,62 - 1777781



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 8, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - SPC 5/ 8-ST-7,62 - 1996074



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 8, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - TSPC 5/ 8-ST-7,62 - 1728510



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 8, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - IPC 5/ 8-G-7,62 - 1708446



PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, number of positions: 8, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - IPC 5/ 8-GU-7,62 - 1708666



PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, number of positions: 8, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Printed-circuit board connector - IPCV 5/ 8-G-7,62 - 1708886



PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, number of positions: 8, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering