Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

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PCB connector, nominal current: 41 A, number of positions: 3, 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
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- 600 V UL approval in the smallest of dimensions
- Screwable flange for superior mechanical stability

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 046356 522984
GTIN	4046356522984
Weight per Piece (excluding packing)	16.400 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	35.5 mm
Width [w]	38.09 mm

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Technical data

Dimensions

Height [h]	19.7 mm
Pitch	7.62 mm
Dimension a	15.24 mm

General

Range of articles	PC 5/..-STF1
Number of positions	3
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
Nominal current I_N	41 A
Nominal cross section	6 mm²
Maximum load current	41 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm
Note	Tightening torque ≤ 4 mm² is 0.5 Nm to 0.6 Nm,> 4 mm² is 0.7 Nm to 0.8 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Technical data

Connection data

2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	2.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

Standards and Regulations

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

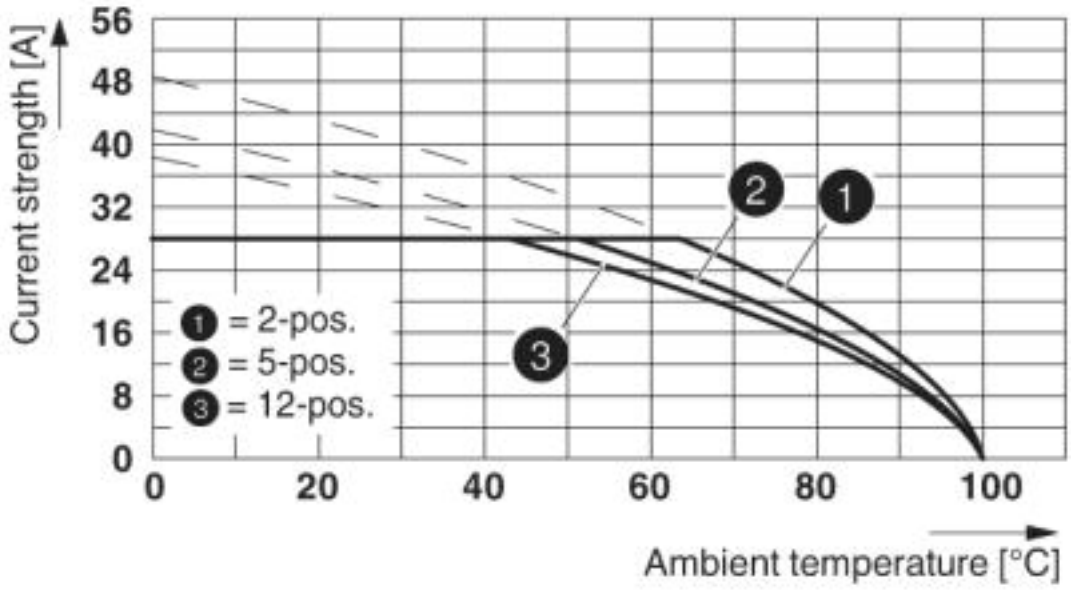
Environmental Product Compliance

	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

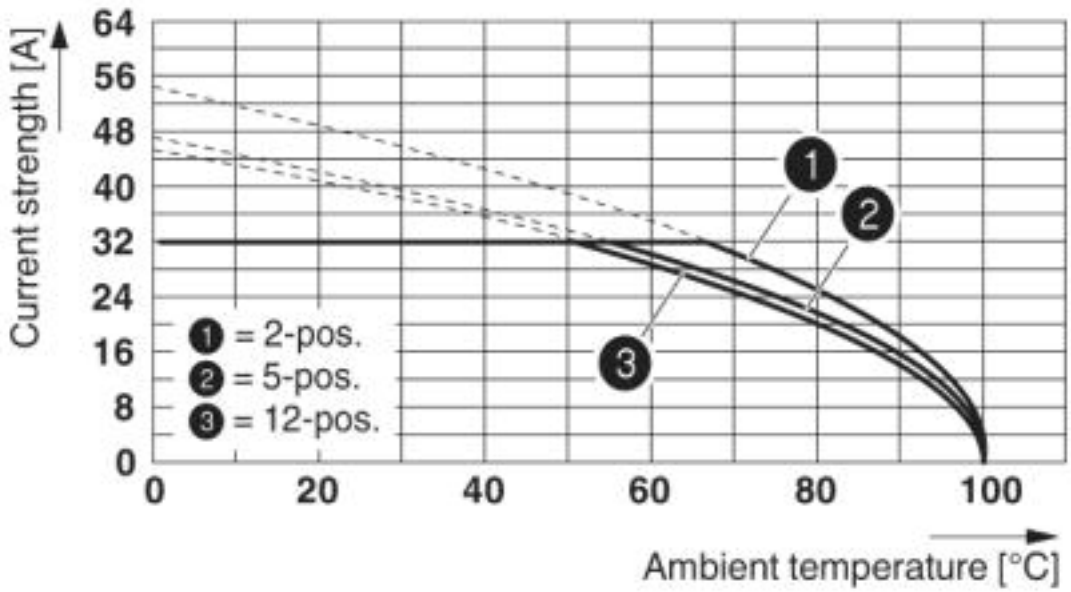
Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Diagram



Type: PC 5/...-STF1-7,62 with PC 4/...-G-7,62 and BF-PC 4
Conductor cross section: 4 mm²

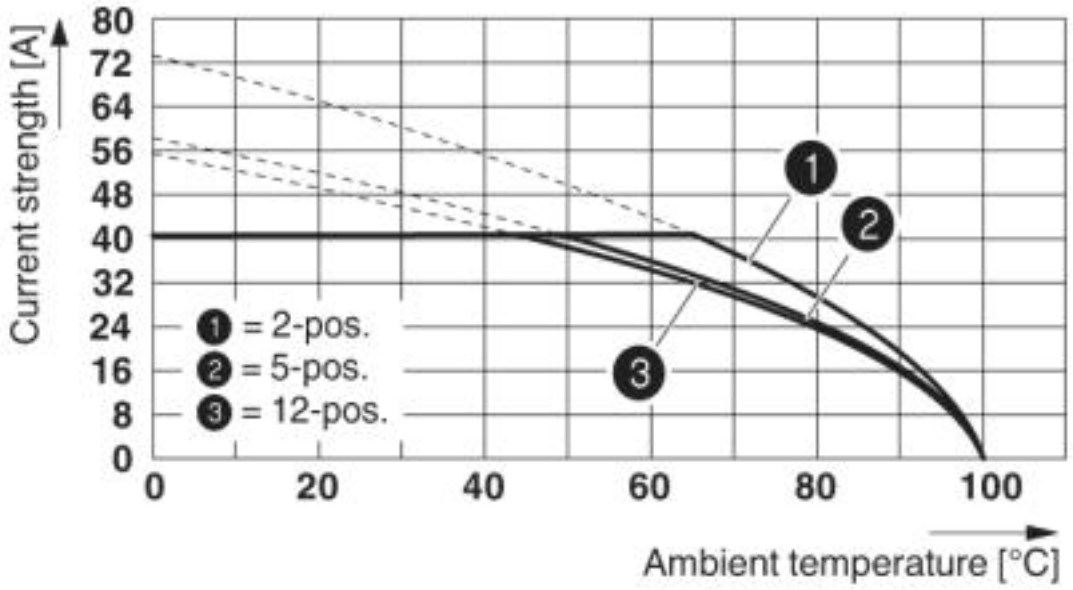
Diagram



Type: PC 5/...-STF1-7,62 with PC 5/...-GF-7,62
Conductor cross section: 6 mm²

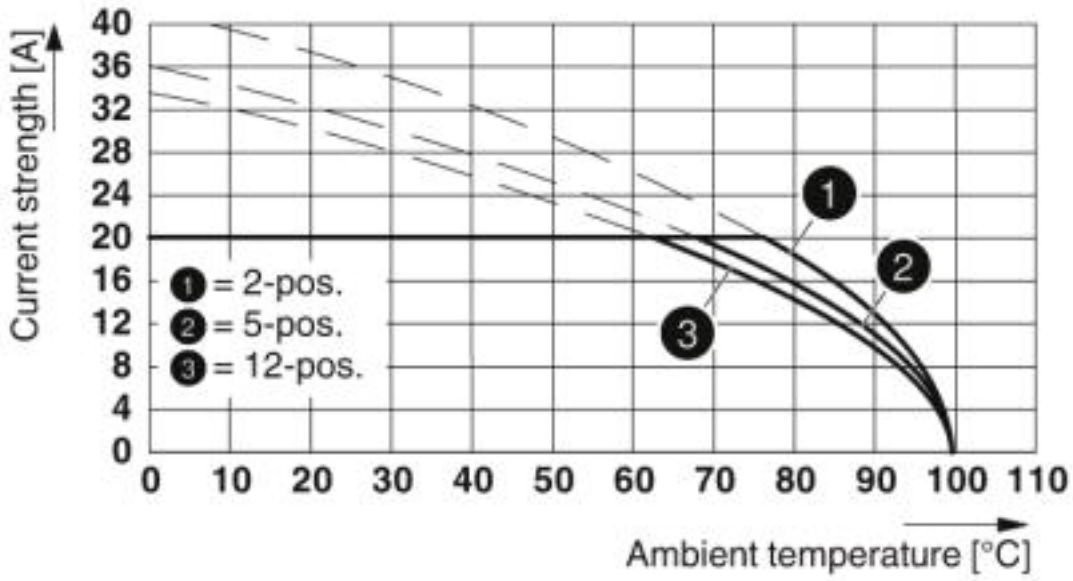
Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Diagram



Type: PC 5/...-STF1-7,62 with PC 5/...-GF-7,62
Conductor cross section: 10 mm²

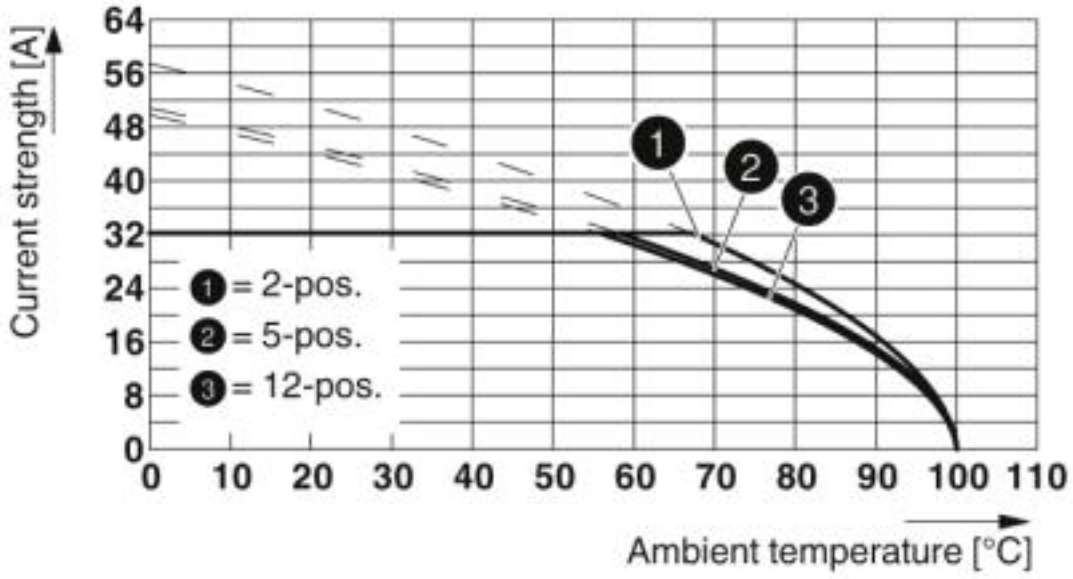
Diagram



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

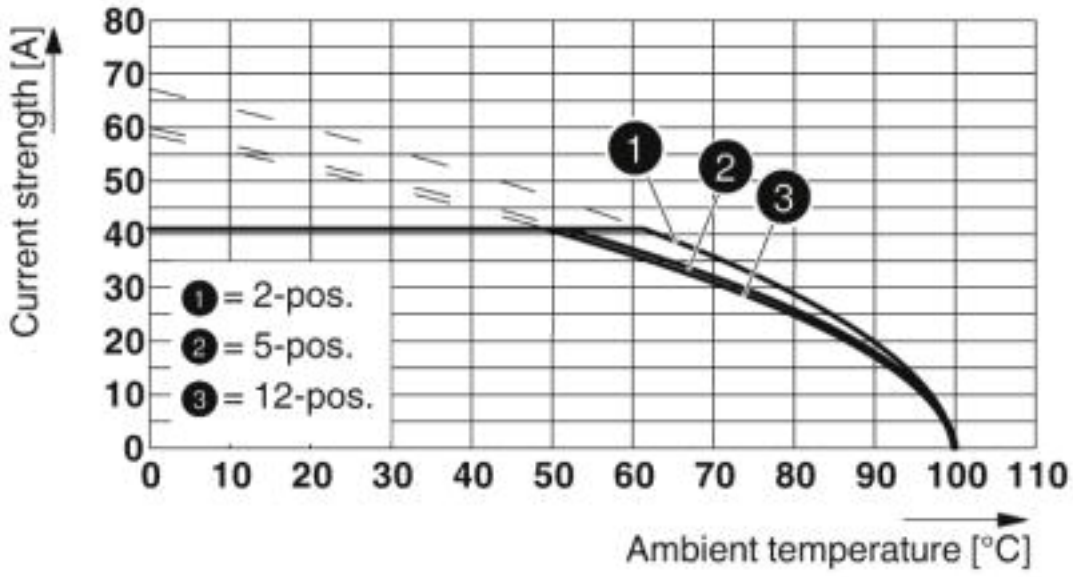
Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Diagram



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

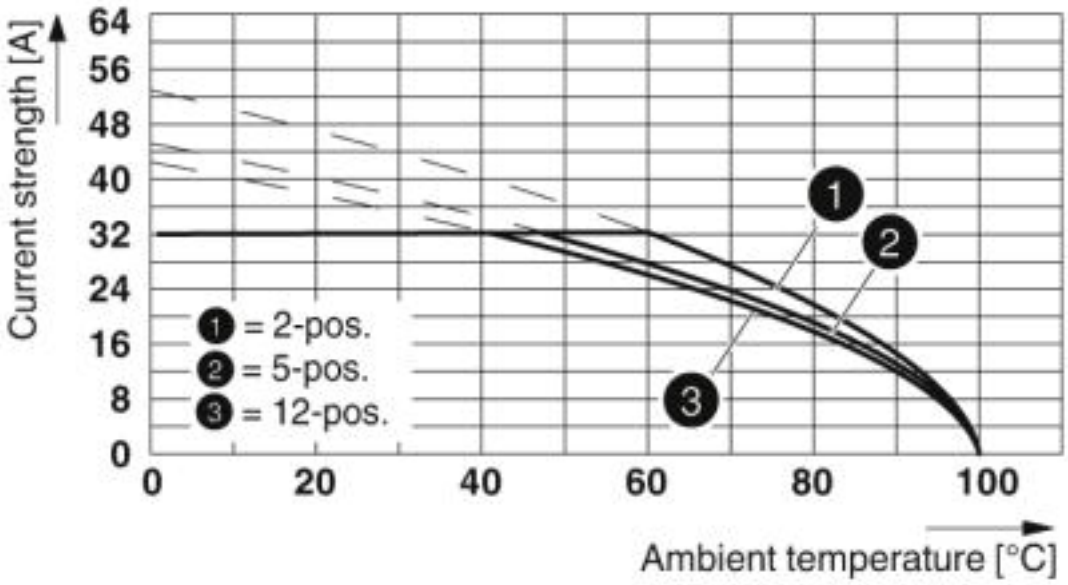
Diagram



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

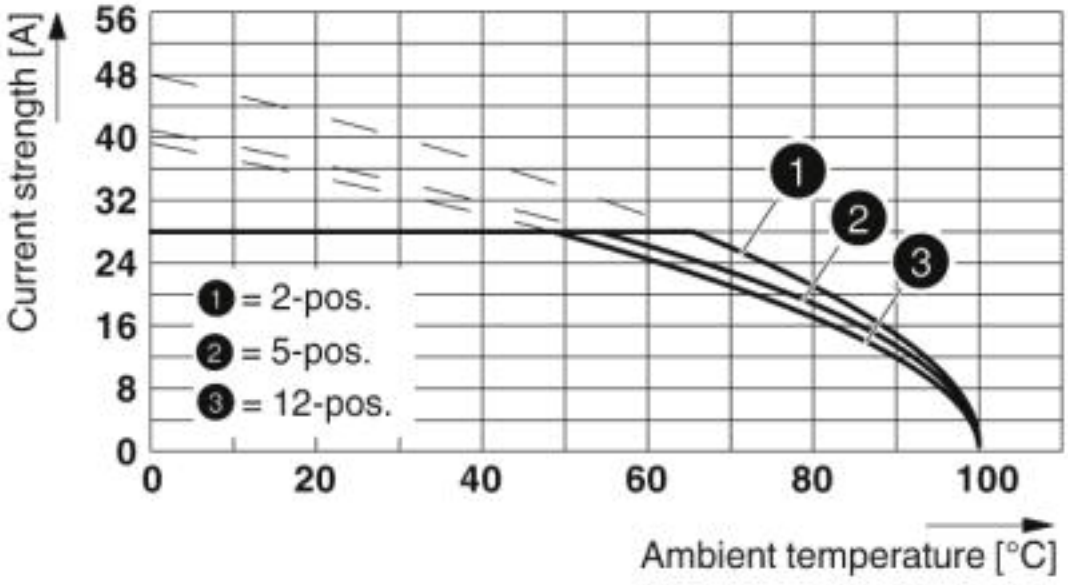
Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Diagram



Type: PC 5/...-STF1-7,62 with PC 4/...-G-7,62 and BF-PC 4
Conductor cross section: 6 mm²

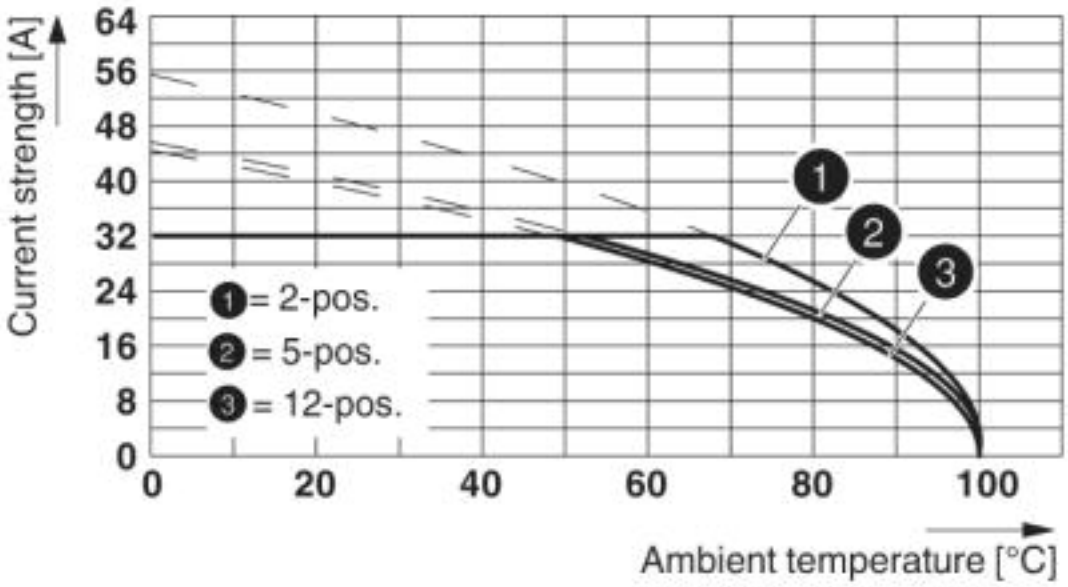
Diagram



Type: PC 5/...-STF1-7,62 with PCV 4/...-G-7,62 and BF-PC 4
Conductor cross section: 4 mm²

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Diagram



Type: PC 5/...-STF1-7,62 with PCV 4/...-G-7,62 and BF-PC 4
Conductor cross section: 6 mm²

Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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	EC002643
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	EC002638

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Classifications

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC B.01742

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
mm²/AWG/kcmil	24-8	24-8

Accessories

Accessories

Coding element

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Accessories

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

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

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

Terminal marking

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Accessories

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, Number of individual labels: 1440

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, Number of individual labels: 210000

Additional products

Printed-circuit board connector - ISPC 5/ 3-STGF-7,62 - 1749214

PCB connector, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - PC 5/ 3-GF-7,62 - 1720806

PCB headers, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - PC 5/ 3-GFU-7,62 - 1721025

PCB headers, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Accessories

Printed-circuit board connector - PCV 5/ 3-GF-7,62 - 1720916

PCB headers, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-PC 5/ 3-GF-7,62 - 1727702

Feed-through header, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-PC 5/ 3-GFU-7,62 - 1727922

Feed-through header, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-PCV 5/ 3-GF-7,62 - 1716409

Feed-through header, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-PC 5/ 3-GF-SH-7,62 - 1716072

Feed-through header, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - PC 5/ 3-STF1-7,62 - 1777846

Accessories

Printed-circuit board connector - DFK-PC 5/ 3-GFU-SH-7,62 - 1716182

Feed-through header, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through plug - DFK-PC 5/ 3-STF-7,62 - 1716629

Feed-through connector, nominal current: 41 A, number of positions: 3, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin