Printed-circuit board connector - PC 5/ 3-STF1-7,62 GY RAE BD:NZ - 1783445

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 7.62 mm, Connection method: Screw connection, Color: Gray, Contact surface: Tin, Labeling: W V U; special screw: M3 knurled screw

Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	24.8 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	46.15 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	15.24 mm

General

Range of articles	PC 5/..-STF-RAE1
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

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Technical data

General

Nominal current I_N	41 A
Nominal cross section	6 mm²
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	3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm
Tightening torque contact carrier	0.3 Nm

Connection data

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

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Technical data

Connection data

Maximum AWG according to UL/CUL	8

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	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002637

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 / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

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Approvals

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	41 A	41 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	41 A	41 A
Nominal voltage UN	600 V	600 V

GOST

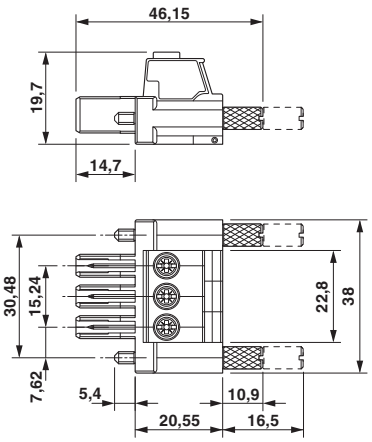
GOST

cULus Recognized

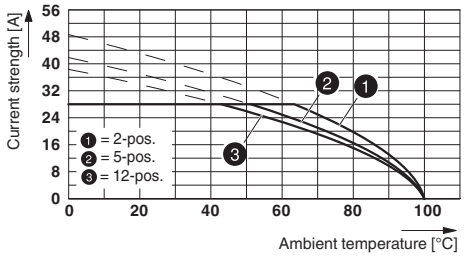
Drawings

Printed-circuit board connector - PC 5/ 3-STF1-7,62 GY RAE BD:NZ - 1783445

Dimensioned drawing

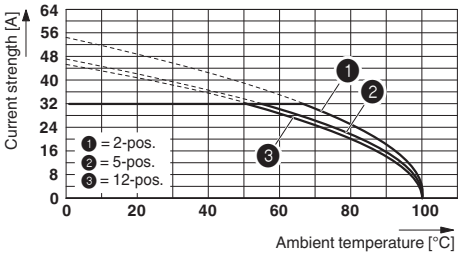


Diagram



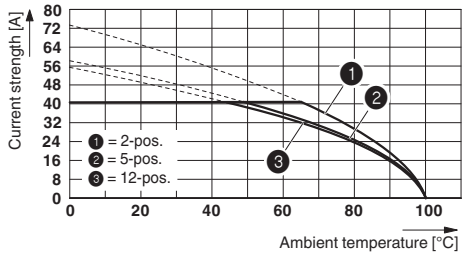
Derating curve for: PC 5/...-ST1-7,62 with PC 4/....-G-7,62
Conductor cross section: 4 mm²

Diagram



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

Diagram



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

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