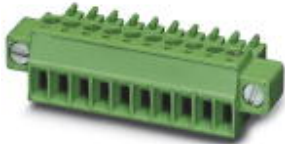


Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 114244
Weight per Piece (excluding packing)	15.56 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	72.39 mm

General

Range of articles	MC 1,5/...STF
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V

Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Technical data

General

Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	20
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.08 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.08 mm ²
2 conductors with same cross section, stranded max.	0.75 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.	0.34 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.	0.5 mm ²
Minimum AWG according to UL/CUL	30

Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Technical data

Connection data

Maximum AWG according to UL/CUL	14
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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	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002637

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCE CB Scheme / GOST / CCA / cULus Recognized

Ex Approvals

Approvals submitted

Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Approvals

Approval details

CSA 		
	B	D
mm²/AWG/kcmil	28-16	28-16
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cUL Recognized 		
	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

GOST 		
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Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Approvals

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

GOST 	
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CCA	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cULus Recognized 	
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Accessories

Accessories

Cable housing

Cable housing - KGG-MC 1,5/ 2 - 1834343



Cable housing, Pitch: 3.81 mm, Number of positions: 2, Dimension a: 10.01 mm, Color: green

Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Accessories

Cable housing - KGG-MC 1,5/ 6 - 1834385



Cable housing, Pitch: 3.81 mm, Number of positions: 6, Dimension a: 25.25 mm, Color: green

Labeled terminal marker

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm, Lettering field: 3.81 x 2.8 mm

Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Additional products

Base strip - MCV 1,5/20-GF-3,81 - 1844964



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - MC 1,5/20-STF-3,81 - 1848452

Accessories

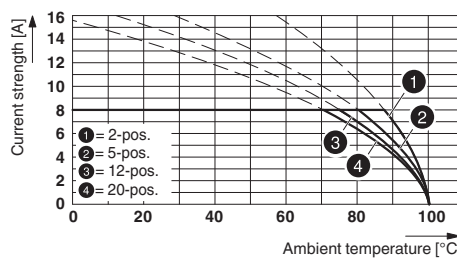
Base strip - MC 1,5/20-GF-3,81 - 1848449



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Drawings

Diagram



Type: MC 1,5/...-STF-3,81 with MC 1,5/...-GF-3,81

Dimensioned drawing

