

Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Product Features

- ☒ Generously dimensioned wiring space
- ☒ Plug-in direction parallel to the conductor axis
- ☒ Low design height of the MC 1,5 plug range
- ☒ Individual position coding by removing the coding tab and connecting the coding profile to the header

Key commercial data

package_quantity	50
GTIN	4017918045913

Technical data

Dimensions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	15.24 mm

General

Range of articles	MC 1,5/...-ST
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
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

Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604

Technical data

General

Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	5
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
Maximum AWG according to UL/CUL	14

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

Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604

classifications

eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

approvals

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

Approval details

CSA 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	28-16	28-16

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	30-14	30-14

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	160 V

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approvals

Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	30-14	30-14

GOST 
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IECEE CB Scheme 	
Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5



CCA	
Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

cULus Recognized 	
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accessories

Labeled terminal marker

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accessories

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



Screwdriver tools

SZS 0,4X2,5 VDE - 1205037



Cable housing

KGG-MC 1,5/ 5 - 1834372

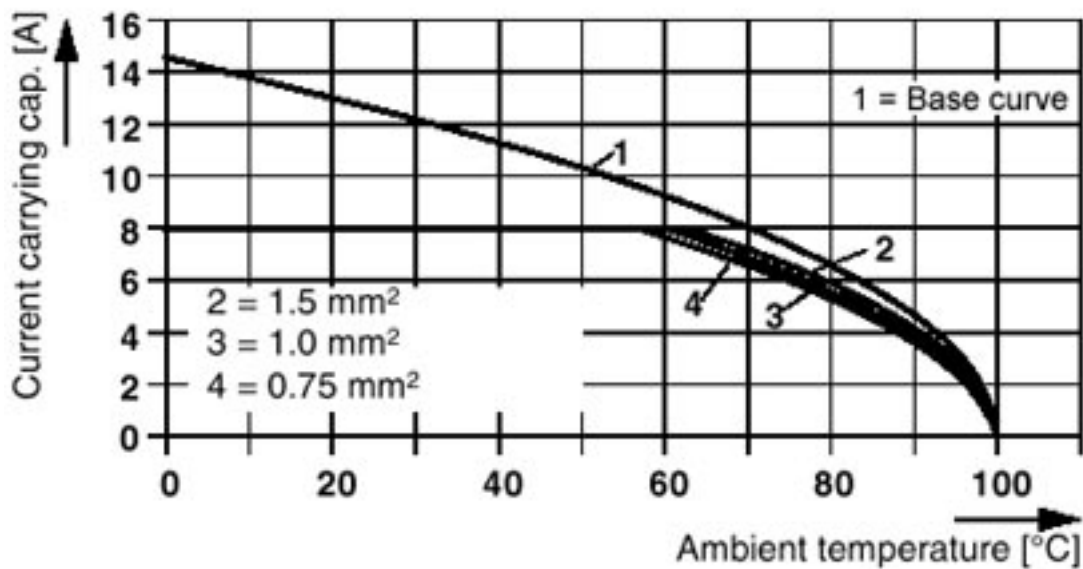


Drawings

Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604

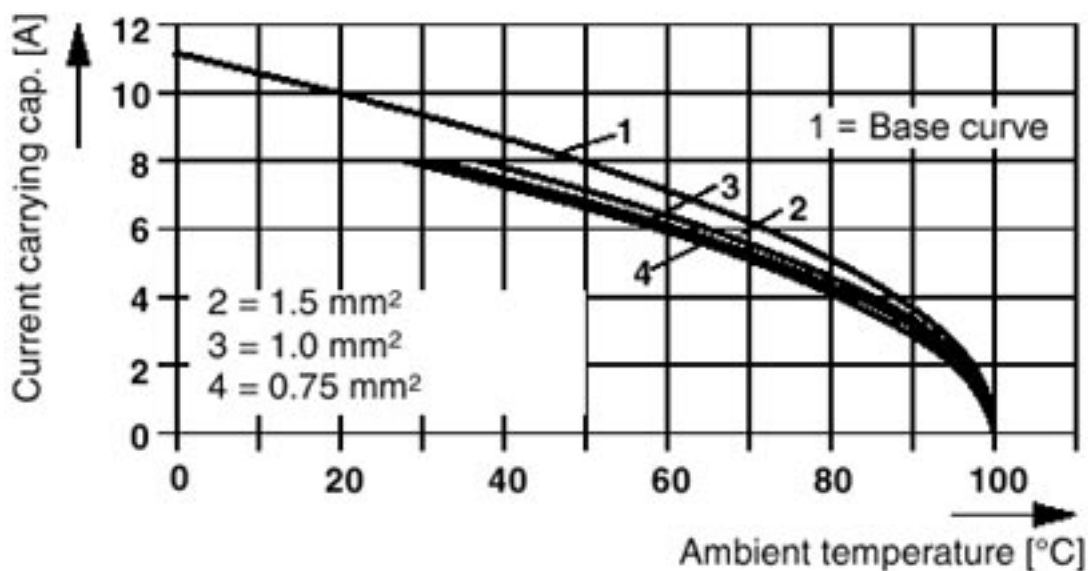
Diagram

Plug: MC 1,5/5-ST(F)-3,81
Header: MCD(V)1,5/5-G(F)-3,81



Diagram

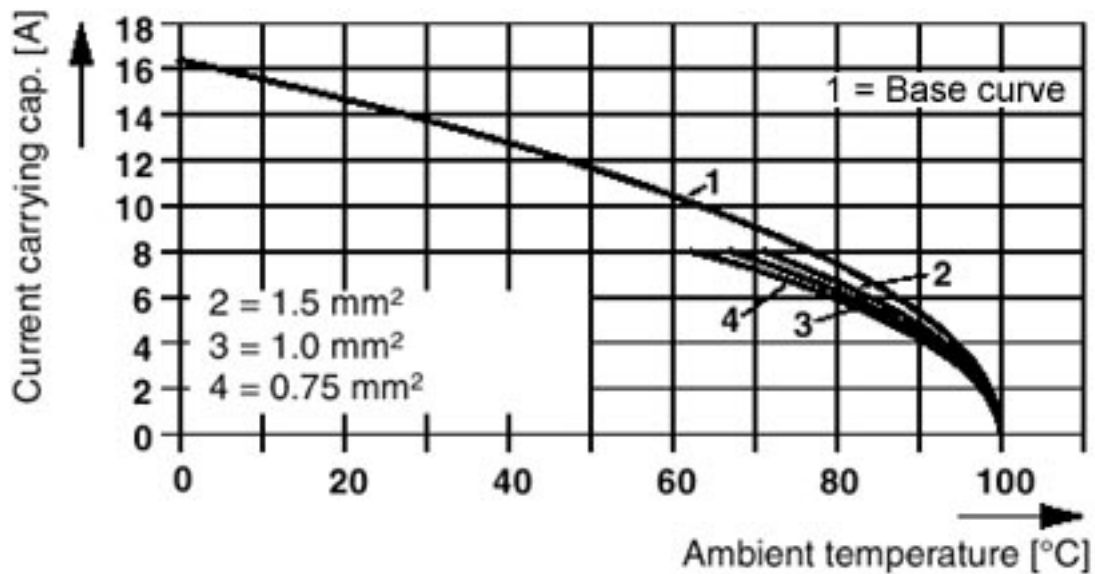
Plug: MC 1,5/5-ST(F)-3,81(3,5)
Header: EMC 1,5/5-G(F)-3,81(3,5)



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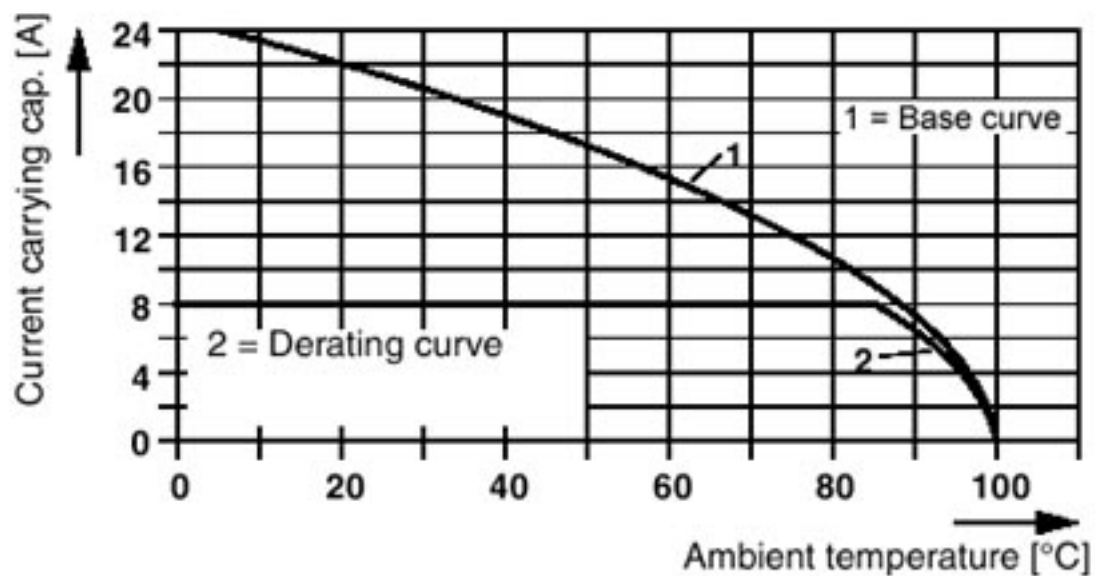
Diagram

Plug: MC 1,5/5-ST(F)-3,81(3,5)
Header: EMCV 1,5/5-G(F)-3,81(3,5)



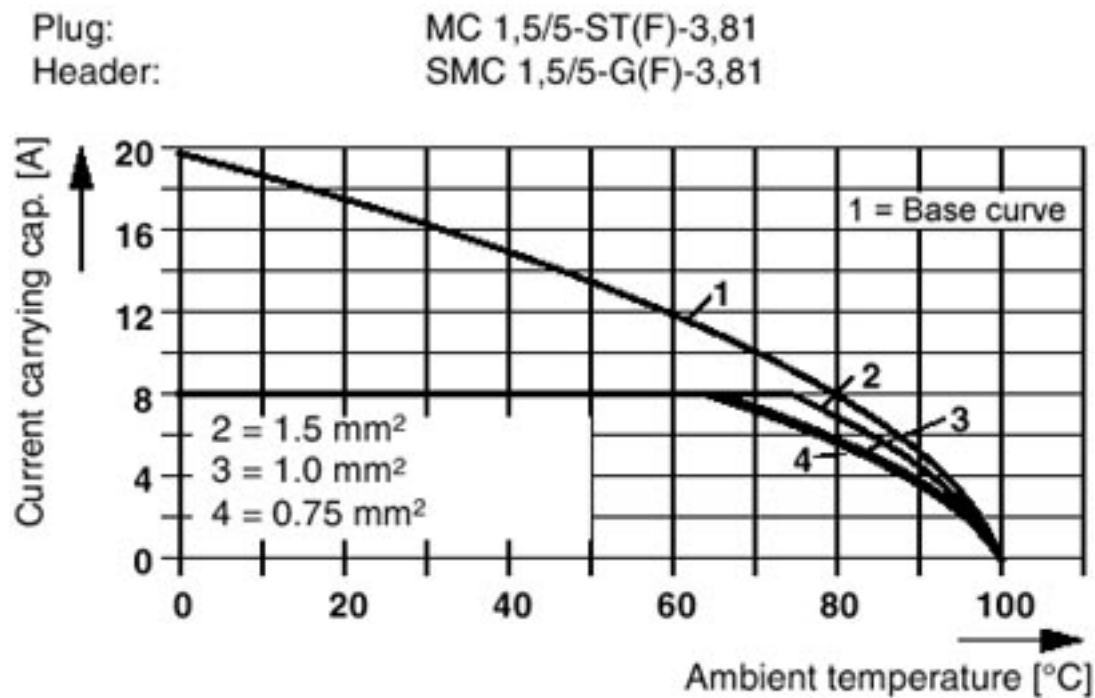
Diagram

Plug: MC 1,5/5-G(F)-3,81
Header: IMC(V) 1,5/5-G(F)-3,81



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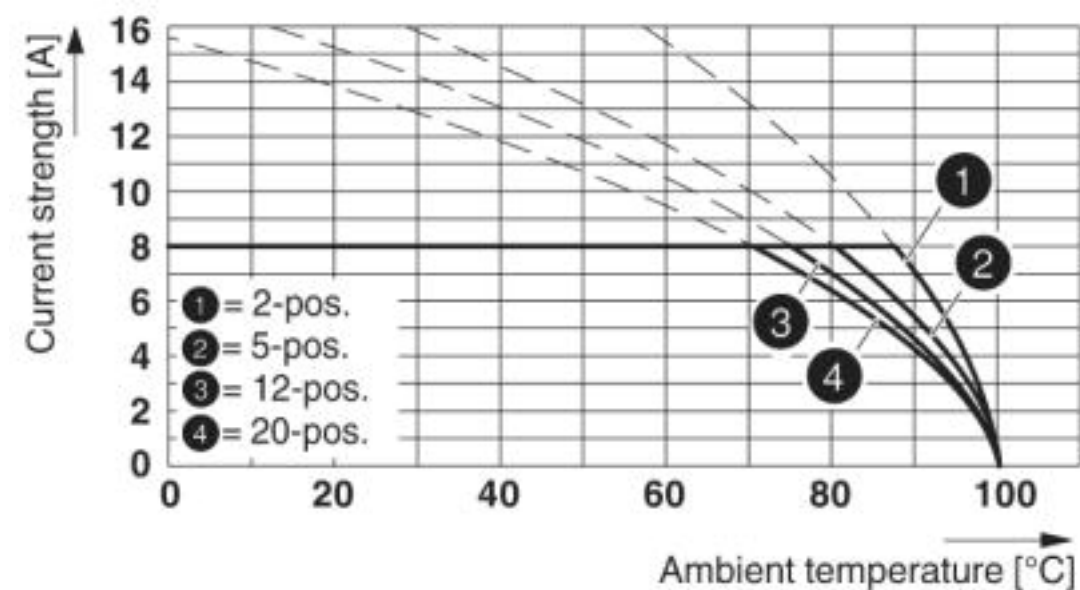
Diagram



Diagram

Type: MC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

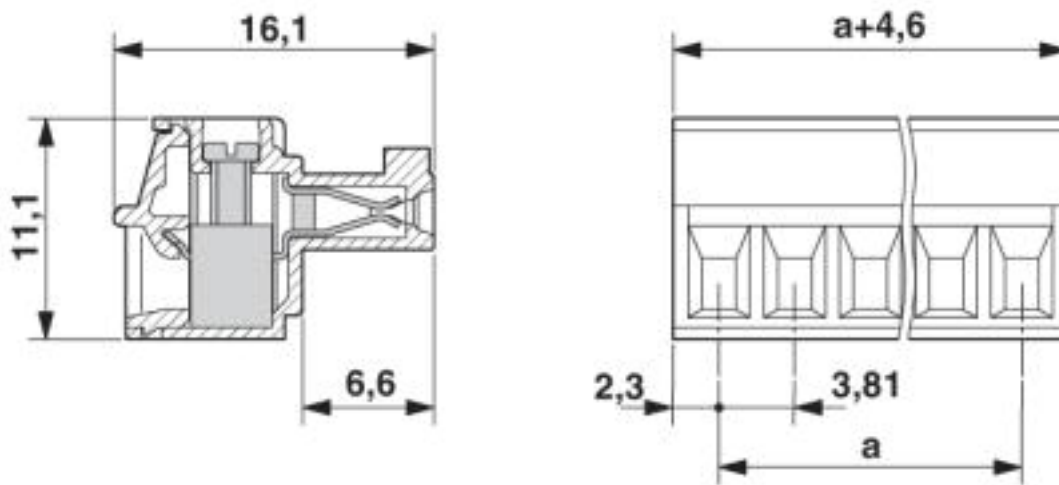
Diagram



Type: MC 1,5/...-ST-3,81 with MC 1,5/...-G-3,81

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Dimensioned drawing



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