

Printed-circuit board connector - MC 1,5/ 4-ST-3,81 - 1803594

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Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 045906
GTIN	4017918045906
Weight per Piece (excluding packing)	3.220 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Length [l]	16.1 mm
Width [w]	16.03 mm
Height [h]	11.1 mm
Pitch	3.81 mm
Dimension a	11.43 mm

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Technical data

General

Range of articles	MC 1,5/...-ST
Type of contact	Female connector
Number of positions	4
Connection method	Screw connection with tension sleeve
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
Internal cylindrical gage	A1
Stripping length	7 mm
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 flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 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.	1.5 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.	0.5 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG 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

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Technical data

Connection data

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

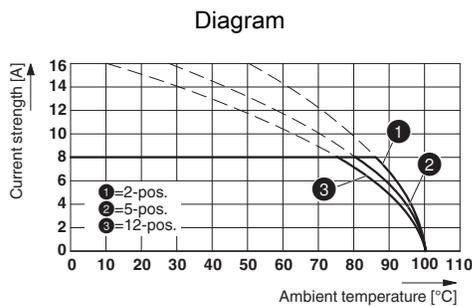
Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

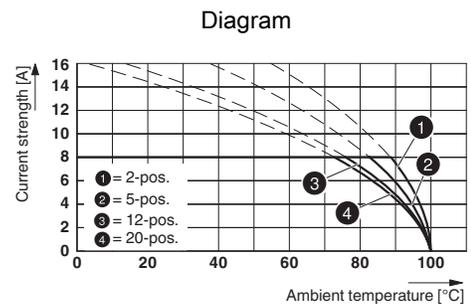
Environmental Product Compliance

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

Drawings



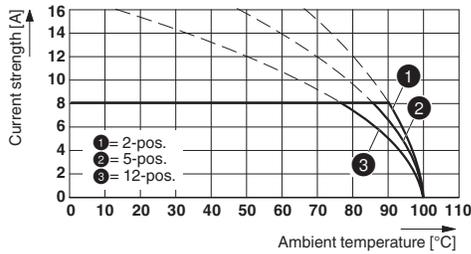
Type: MC 1,5/...-ST-3,81 with MC 1,5/...-G-3,81 THT



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

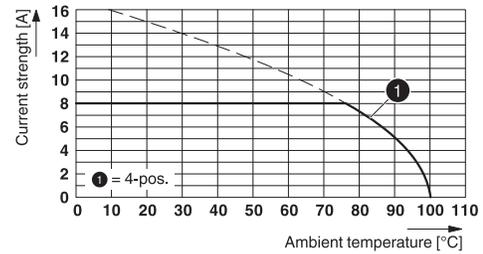
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Diagram



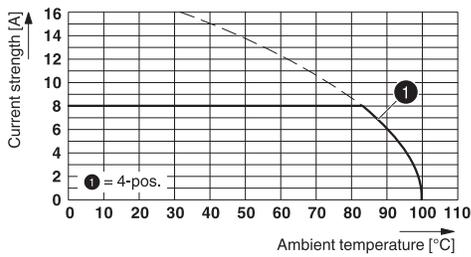
Type: MC 1,5/...-ST-3,81 with MCV 1,5/...-G-3,81 P26 THR

Diagram



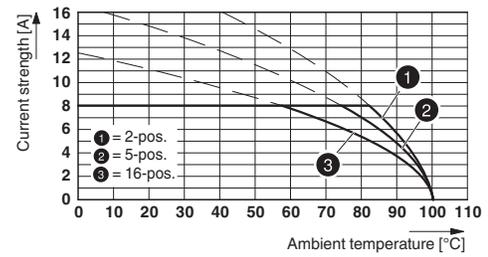
Type: MC 1,5/ 4-ST-3,81 with MCDB 1,5/ 4-G1-3,81 P20 THR TR

Diagram



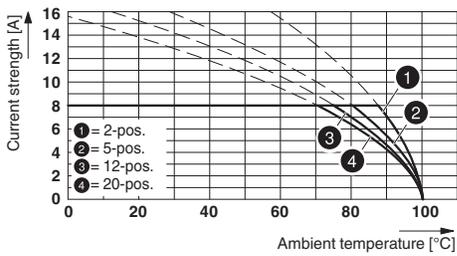
Type: MC 1,5/ 4-ST-3,81 with MCDB 1,5/ 4-G1-3,81P20THRTRSO1

Diagram



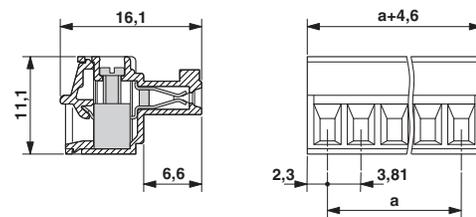
Type: MC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

Diagram



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

Dimensional drawing



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

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Classifications

eCl@ss

eCl@ss 7.0	27440402
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

UNSPSC

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

Approvals

Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / CCA / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-16	28-16	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

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Approvals

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40011723
mm ² /AWG/kcmil		0.2-1.5	
Nominal current I _N		8 A	
Nominal voltage U _N		160 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-59621-B1B2
mm ² /AWG/kcmil		0.2-1.5	
Nominal current I _N		8 A	
Nominal voltage U _N		160 V	

CCA	CCA/ DE1 34219		
mm ² /AWG/kcmil		0.2-1.5	
Nominal current I _N		8 A	
Nominal voltage U _N		160 V	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
mm ² /AWG/kcmil	30-14	30-14	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
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Accessories

Accessories

Bridge

Printed-circuit board connector - MC 1,5/ 4-ST-3,81 - 1803594

Accessories

Insertion bridge - EBPL 2-3,81 - 1733495



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Insertion bridge - EBPL 3-3,81 - 1733505



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Insertion bridge - EBPL 4-3,81 - 1733518



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

Cable housing

Cable housing - KGG-MC 1,5/ 4 - 1834369



Cable housing, pitch: 3.81 mm, number of positions: 4, dimension a: 17.63 mm, color: green

Labeled terminal marker

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



Marker card, 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 size: 3.81 x 2.8 mm

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Accessories

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

Header - MCV 1,5/ 4-G-3,81 P14 THR - 1707023



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Header - MCV 1,5/ 4-G-3,81 P26 THR - 1707447



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Header - MCV 1,5/ 4-G-3,81 P26 THRR32 - 1712872



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Accessories

Printed-circuit board connector - MC 1,5/ 4-G-3,81 P20 THRR32 - 1782598

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - MC 1,5/ 4-G-3,81 - 1803293

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MCV 1,5/ 4-G-3,81 - 1803442

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - SMC 1,5/ 4-G-3,81 - 1827295

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Header - MCD 1,5/ 4-G-3,81 - 1829976

Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Printed-circuit board connector - MC 1,5/ 4-ST-3,81 - 1803594

Accessories

Header - MCDV 1,5/ 4-G-3,81 - 1830428



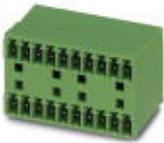
Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Header - MCVDU 1,5/ 4-G-3,81 - 1837120



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCD 1,5/ 4-G1-3,81 - 1843091



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Header - MCDV 1,5/ 4-G1-3,81 - 1847741



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Header - EMCV 1,5/ 4-G-3,81 - 1860663



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - MC 1,5/ 4-ST-3,81 - 1803594

Accessories

Header - MCO 1,5/ 4-GR-3,81 - 1861662



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MCO 1,5/ 4-GL-3,81 - 1861743



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - EMC 1,5/ 4-G-3,81 - 1897827



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Header - MC 1,5/ 4-G-3,81 THT - 1908787



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Header - MC 1,5/ 4-G-3,81 THT-R56 - 1943771



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"
