

Printed-circuit board connector - MC 1,5/14-ST-3,81 - 1803691

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PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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

Your advantages

- ✓ 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 pc
GTIN	 4 017918 046002
GTIN	4017918046002
Weight per Piece (excluding packing)	10.370 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Length [l]	16.1 mm
Width [w]	54.13 mm
Height [h]	11.1 mm
Pitch	3.81 mm
Dimension a	49.53 mm

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Technical data

General

Range of articles	MC 1,5/...-ST
Number of positions	14
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
Flammability rating according to UL 94	V0
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

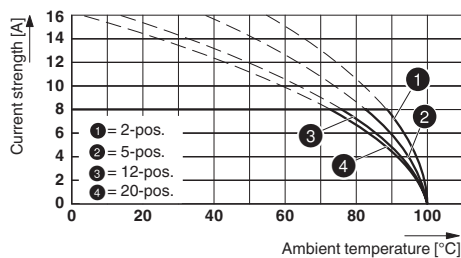
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

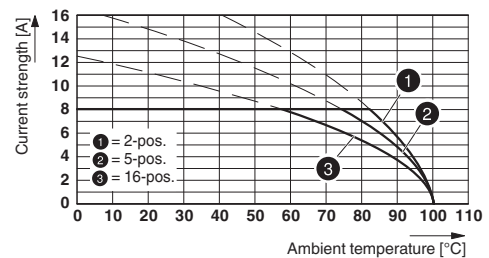
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Diagram

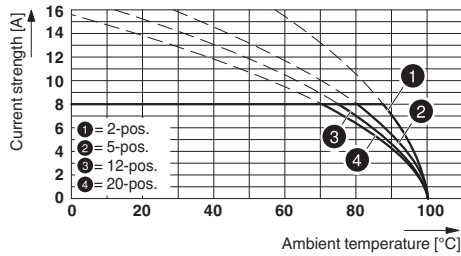


Type: MC 1,5/...-ST-3,81 with MCV 1,5/...-G-3,81

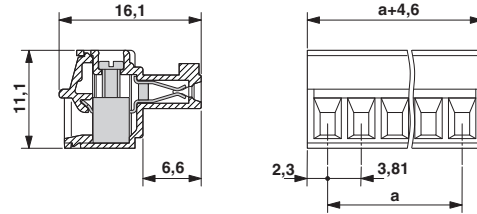
Type: MC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

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Diagram



Dimensional drawing



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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
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	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

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Approvals


Approvals


CSA / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized / EAC


Ex Approvals

Approval details

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

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm ² /AWG/kcmil	0.2-1.5		

IECCE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm ² /AWG/kcmil	0.2-1.5		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	

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Approvals

	D	B
mm ² /AWG/kcmil	30-14	30-14

EAC		B.01742
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Accessories

Accessories

Bridge

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

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Accessories

Cable housing - KGG-MC 1,5/14 - 1834466



Cable housing, pitch: 3.81 mm, number of positions: 14, dimension a: 55.73 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

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 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

Printed-circuit board connector - MC 1,5/14-ST-3,81 - 1803691

Accessories

Printed-circuit board connector - MC 1,5/14-G-3,81 - 1803390

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MCV 1,5/14-G-3,81 - 1803549

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - SMC 1,5/14-G-3,81 - 1827392

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MCD 1,5/14-G-3,81 - 1830075



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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.

Feed-through header - MCDV 1,5/14-G-3,81 - 1830525



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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.

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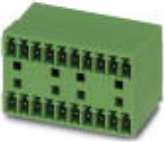
Accessories

Feed-through header - MCVDU 1,5/14-G-3,81 - 1837557



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MCD 1,5/14-G1-3,81 - 1843198



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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.

Feed-through header - MCDV 1,5/14-G1-3,81 - 1847851



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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.

Feed-through header - EMCV 1,5/14-G-3,81 - 1860760



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - EMC 1,5/14-G-3,81 - 1897924



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

