

Printed-circuit board connector - MC 1,5/12-ST-3,5 - 1840463

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PCB connector, nominal current: 8 A, number of positions: 12, pitch: 3.5 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 052126
GTIN	4017918052126
Weight per Piece (excluding packing)	8.490 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Length [l]	16.1 mm
Width [w]	42 mm
Height [h]	11.1 mm
Pitch	3.5 mm
Dimension a	38.5 mm

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Technical data

General

Range of articles	MC 1,5/...-ST
Number of positions	12
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

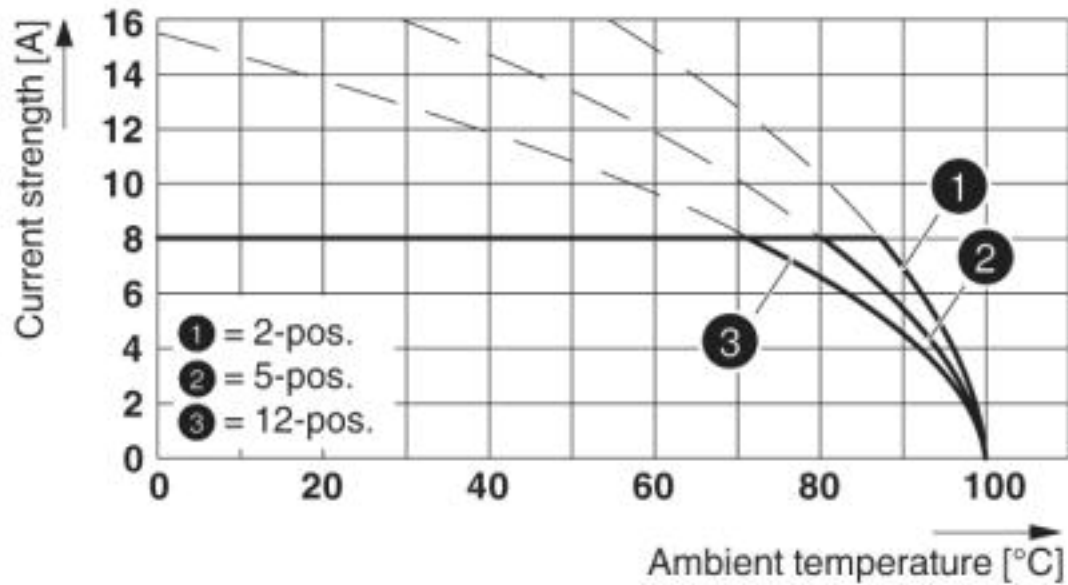
Environmental Product Compliance

	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

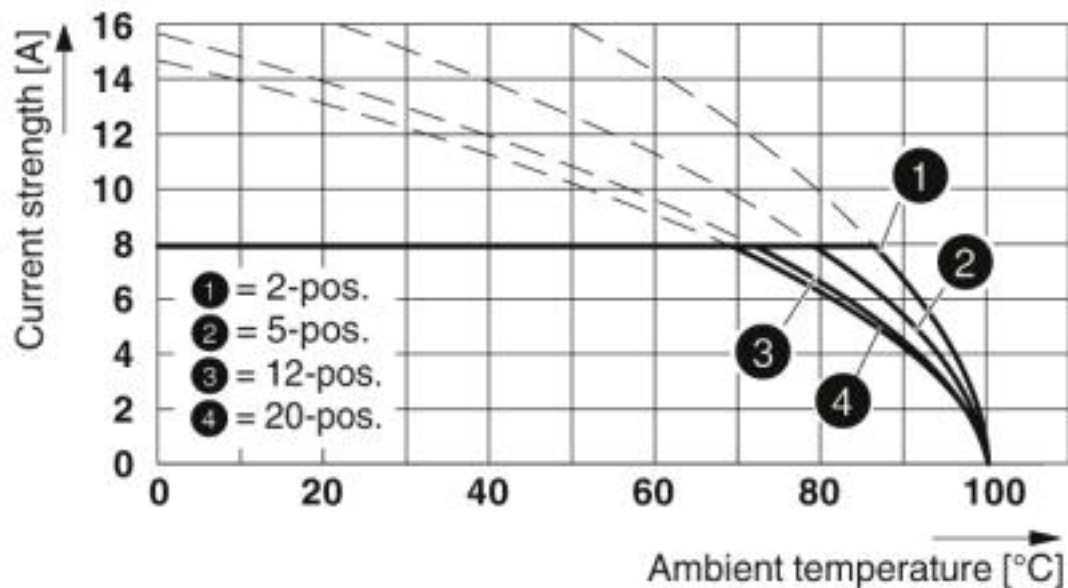
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Diagram



Type: MC 1,5/...-ST(F)-3,5 with MCV 1,5/...-G(F)-3,5 P... THR

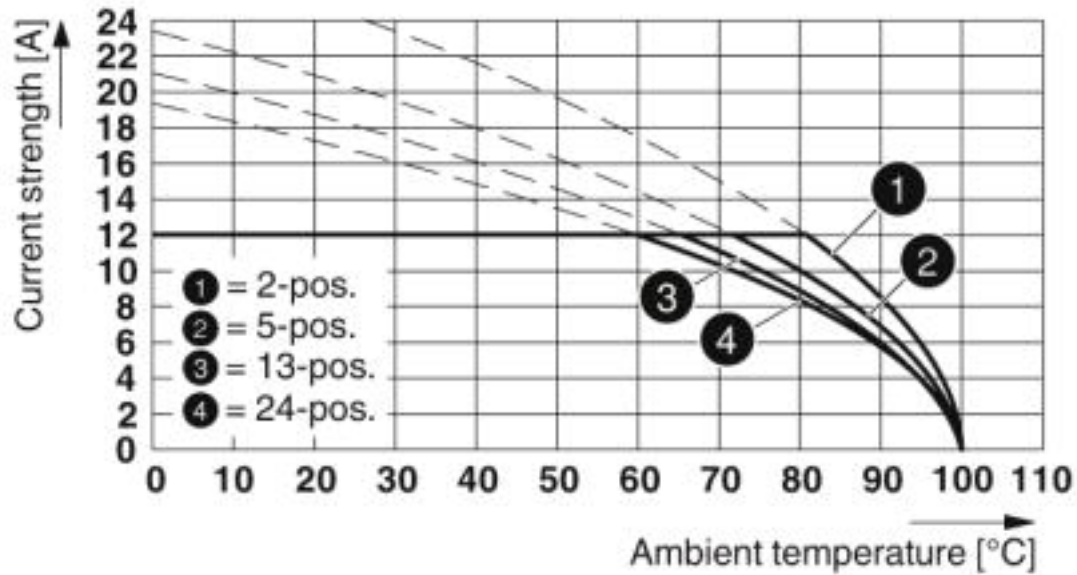
Diagram



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

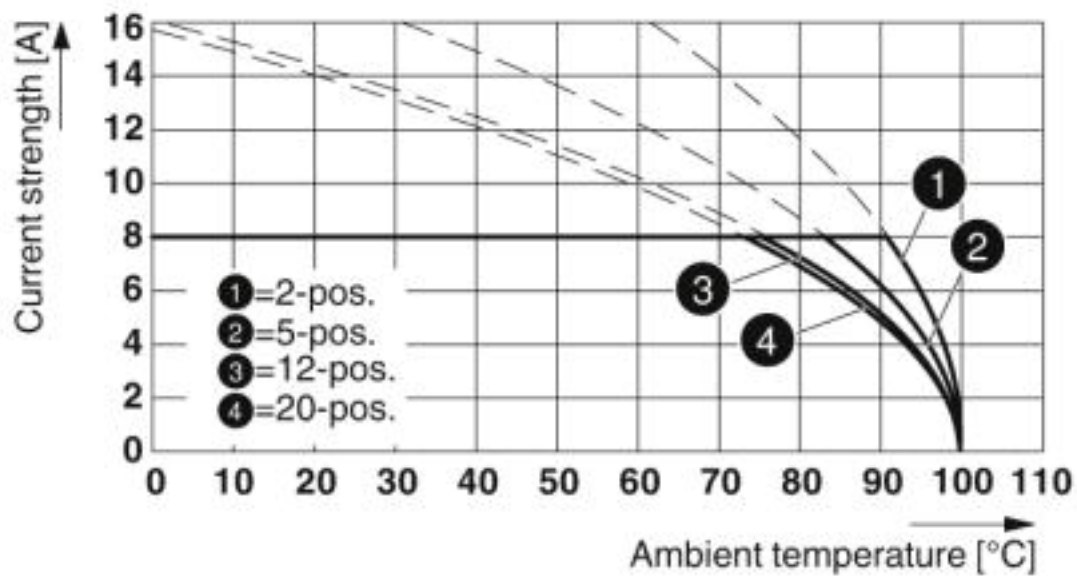
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Diagram



Type: MC 1,5/...-ST(F)-3,5 with MC 1,5/...-G(F)-3,5 P... THR

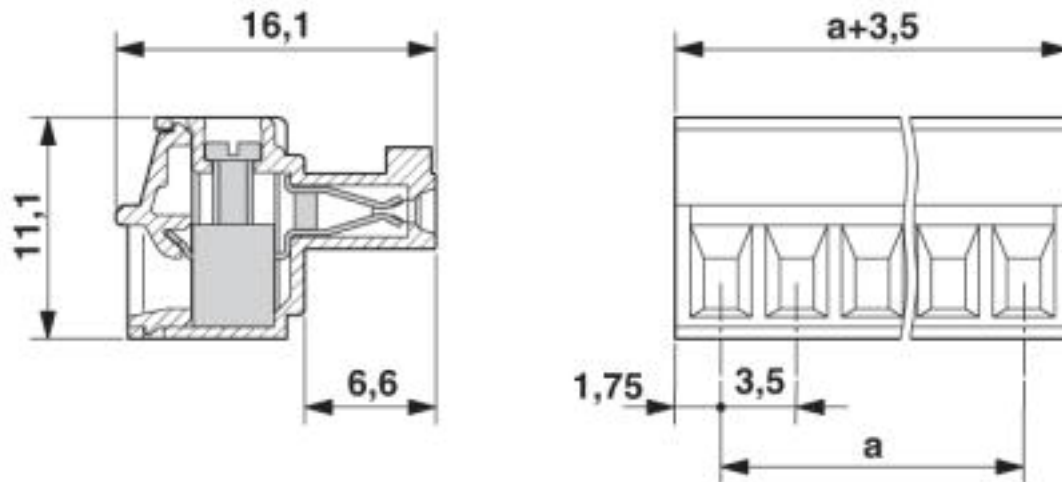
Diagram



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

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Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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
ETIM 7.0	EC002638

UNSPSC

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

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Approvals


Approvals


Approvals


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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	
mm²/AWG/kcmil	28-16	28-16	


IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm²/AWG/kcmil	0.2-1.5		

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		
mm²/AWG/kcmil	0.2-1.5		

EAC			B.01742
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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	8 A	8 A	
mm²/AWG/kcmil	30-14	30-14	

Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 99, mounting type: adhesive, for terminal block width: 3.5 mm, lettering field size: 3.5 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

Terminal marking

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Accessories

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

Additional products

Printed-circuit board connector - MCV 1,5/12-G-3,5 P20 THRR72 - 1781081



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 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 1,5/12-G-3,5 P26 THR - 1788709



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THRR72 - 1788712



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - MC 1,5/12-G-3,5 P14 THR - 1789148



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

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Accessories

Printed-circuit board connector - MC 1,5/12-G-3,5 P14 THRR72 - 1789151

PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MCV 1,5/12-G-3,5 - 1843703

PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MC 1,5/12-G-3,5 - 1844317

PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - EMC 1,5/12-G-3,5 - 1897199

PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology



Feed-through header - EMCV 1,5/12-G-3,5 - 1911114

PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology



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Accessories

Feed-through header - MC 1,5/12-G-3,5 THT - 1937596



PCB headers, number of positions: 12, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Feed-through header - MCV 1,5/12-G-3,5 THT - 1937703



PCB headers, number of positions: 12, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MCDNV 1,5/12-G1-3,5 P26THR - 1952885



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 26 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: [http: "Downloads"](#).

Printed-circuit board connector - MCDNV 1,5/12-G1-3,5 P14THR - 1953114



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: [Downloads"](#).

Feed-through header - MCDN 1,5/12-G1-3,5 P26THR - 1953813



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 2.6 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: ["Downloads"](#)

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Accessories

Feed-through header - MCDN 1,5/12-G1-3,5 P14THR - 1954032



PCB headers, nominal current: 8 A, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: Downloads".

Feed-through header - MC 1,5/12-G-3,5 THT-R72 - 1996760



PCB headers, number of positions: 12, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Feed-through header - MCV 1,5/12-G-3,5 THT-R72 - 1996786



PCB headers, number of positions: 12, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"