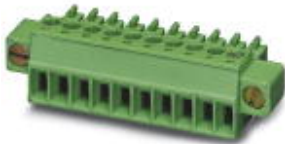


Printed-circuit board connector - MC 1,5/11-STF-3,81 - 1827790

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

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



Key commercial data

Packing unit	1
Minimum order quantity	500
Catalog page	Page 179 (CC-2011)
GTIN	 4 017918 050252
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Height	11.1 mm
Pitch	3.81 mm
Dimension a	38.1 mm
Number of positions	11
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Technical data

Range of articles	MC 1,5/...STF
Insulating material group	I

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Technical data

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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/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	8 A
Nominal voltage U _N	160 V
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
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

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

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Technical data

Connection data

Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

Classifications

eclass

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

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

Approvals

Approvals

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - MC 1,5/11-STF-3,81 - 1827790

Approvals

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 report with production monitoring 	
mm²/AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

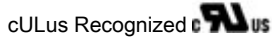
cUL Recognized 		
	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

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

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Approvals



Accessories

Accessories

Marking

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

Tools

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



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

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



Cable housing, Pitch: 0 mm, Number of positions: 2, Dimension a: 10.01 mm, Color: green

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



Cable housing, Pitch: 0 mm, Number of positions: 6, Dimension a: 25.25 mm, Color: green

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Accessories

Additional products

Base strip - DFK-MC 1,5/11-GF-3,81 - 1829426



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCDV 1,5/11-G1F-3,81 - 1842856



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCDV 1,5/11-GF-3,81 - 1830347



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/11-G1F-3,81 - 1843004



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/11-GF-3,81 - 1830198



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - MC 1,5/11-STF-3,81 - 1827790

Accessories

Printed-circuit board connector - IMC 1,5/11-STGF-3,81 - 1858125



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Base strip - MCVU 1,5/11-GFD-3,81 - 1833111



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCVK 1,5/11-GF-3,81 - 1832963



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MCV 1,5/11-GF-3,81 - 1830680



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MC 1,5/11-GF-3,81 - 1827952



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MC 1,5/11-GF-3,81 THT - 1909126



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <http://www.combicon.com>

Printed-circuit board connector - MC 1,5/11-STF-3,81 - 1827790

Accessories

Base strip - SMC 1,5/11-GF-3,81 - 1827512

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - EMCV 1,5/11-GF-3,81 - 1879379

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



Base strip - EMC 1,5/11-GF-3,81 - 1897034

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 11, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



Drawings

Dimensioned drawing

