

Printed-circuit board connector - MC 1,5/12-STF-3,81 - 1827800

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, 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
- 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

Packing unit	50 pc
GTIN	 4 017918 050269
Weight per Piece (excluding packing)	9.32 g
Custom tariff number	85366990
Country of origin	Germany
Product key	AAAEAA

Technical data

Dimensions

Height	11.1 mm
Width	56.11 mm
Pitch	3.81 mm
Dimension a	41.91 mm

General

Range of articles	MC 1,5/...STF
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV

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Technical data

General

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
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	12
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
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

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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
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

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 / VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted


Approval details


CSA 	B	D	
	mm ² /AWG/kcmil	28-16	28-16
	Nominal current I _N	8 A	8 A

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Approvals

	B	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm ² /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

IECEE CB Scheme 	
mm ² /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

CCA	
mm ² /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	160 V

EAC

cULus Recognized		
	B	D
mm ² /AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

Accessories

Accessories

Bridge

Printed-circuit board connector - MC 1,5/12-STF-3,81 - 1827800

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 1,5/12 - 1834440



Cable housing, Pitch: 3.81 mm, Number of positions: 12, Dimension a: 48.11 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: 3.81 x 2.8 mm

Screwdriver tools

Printed-circuit board connector - MC 1,5/12-STF-3,81 - 1827800

Accessories

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

Base strip - DFK-MC 1,5/12-GF-3,81 - 1829439



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Base strip - MCDV 1,5/12-G1F-3,81 - 1842869



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCDV 1,5/12-GF-3,81 - 1830350



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Housing - MCD 1,5/12-G1F-3,81 - 1843017



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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Accessories

Base strip - MCD 1,5/12-GF-3,81 - 1830208



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - IMC 1,5/12-STGF-3,81 - 1858138



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Base strip - MCVU 1,5/12-GFD-3,81 - 1833124



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Base strip - MCVK 1,5/12-GF-3,81 - 1832976



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

Base strip - MCV 1,5/12-GF-3,81 - 1830693



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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Accessories

Base strip - MC 1,5/12-GF-3,81 - 1827965

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - SMC 1,5/12-GF-3,81 - 1827525

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - EMCV 1,5/12-GF-3,81 - 1879382

Header, Nominal current: 8 A, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Press-in



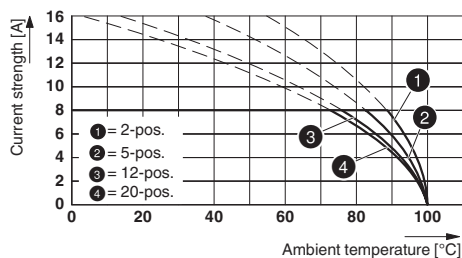
Base strip - EMC 1,5/12-GF-3,81 - 1897047

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Press-in



Drawings

Diagram



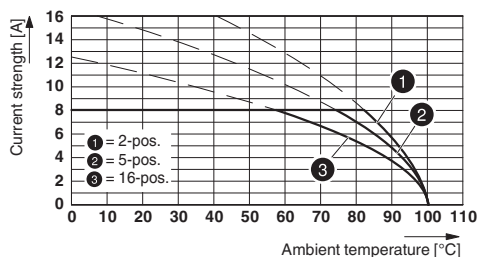
Diagram

Type: MC 1,5/...-STF-3,81 with MCV 1,5/...-GF-3,81

Type: MC 1,5/...-STF-3,81 with MCV 1,5/...-GF-3,81 P26 THR

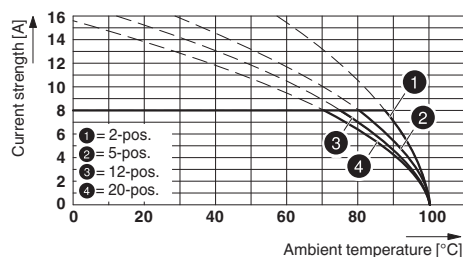
Printed-circuit board connector - MC 1,5/12-STF-3,81 - 1827800

Diagram



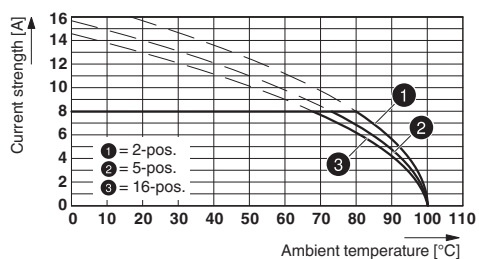
Type: MC 1,5/...-STF-3,81 with MCD 1,5/...-G1F-3,81

Diagram



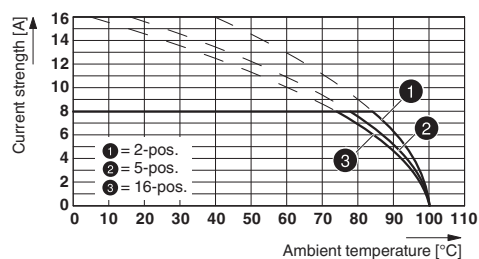
Type: MC 1,5/...-STF-3,81 with MC 1,5/...-GF-3,81

Diagram



Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with flat plug)

Diagram



Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with solder connection)

Dimensional drawing

