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## Printed-circuit board connector - MC 1,5/12-STF-5,08 - 1847453

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 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

- Low design height of the MC 1,5 plug range
- Plug-in direction parallel to the conductor axis
- High dielectric strength of up to 320 V according to III/2
- Individual position coding by removing the coding tab and connecting the coding profile to the header
- ST1 version with plug-in area moved to the bottom, lies flush with the bottom edge of the housing

### Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 102715

### Technical data

#### Dimensions

Height	11.1 mm
Pitch	5.08 mm
Dimension a	55.88 mm

#### General

Range of articles	MC 1,5/...-STF
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A

## Printed-circuit board connector - MC 1,5/12-STF-5,08 - 1847453

### Technical data

#### General

Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	8 A (with 1.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating 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 <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.08 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
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

# Printed-circuit board connector - MC 1,5/12-STF-5,08 - 1847453

## 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

CSA 	B	D	
	mm <sup>2</sup> /AWG/kcmil	28-16	28-16
	Nominal current I <sub>N</sub>	8 A	8 A


## Printed-circuit board connector - MC 1,5/12-STF-5,08 - 1847453

### Approvals

	B	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	250 V

IECEE CB Scheme 

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	250 V

CCA

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	250 V

EAC

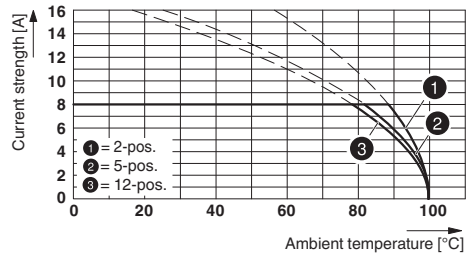
cULus Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

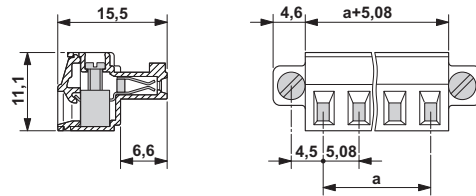
### Drawings

# Printed-circuit board connector - MC 1,5/12-STF-5,08 - 1847453

Diagram



Dimensional drawing



Type: MC 1,5/...-STF-5,08 with MC 1,5/...-GF-5,08

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Product	Code	Reference	Product link
Plug component, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin	1847453	MC 1,5/12-STF-5,08	<a href="#">Buy on EAN</a>