

Printed-circuit board connector - MC 1,5/ 3-ST1-5,08 - 1900785

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

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



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 232 (CC-2011)
GTIN	 4 017918 429188
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Height	11.1 mm
Pitch	5.08 mm
Dimension a	10.16 mm
Number of positions	3
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Technical data

Range of articles	MC 1,5/...-ST1
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Technical data

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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/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	8 A
Nominal voltage U _N	250 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

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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

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

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

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized 

	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

VDE report with production monitoring 

mm²/AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	250 V

cUL Recognized 

	B	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

GOST 

IECEE CB Scheme

mm²/AWG/kcmil	0.2-1.5
Nominal current IN	8 A
Nominal voltage UN	250 V

GOST 

cULus Recognized 

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Accessories

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Marking

Marker cards - SK 5,08/2,8:FORTL.ZAHLEN - 0804280



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: 5.08 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

Additional products

Base strip - MCV 1,5/ 3-G-5,08 - 1836309



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Accessories

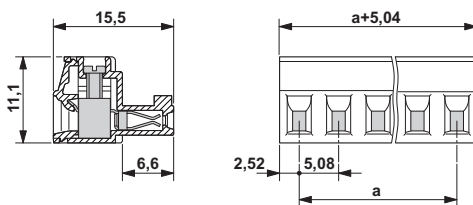
Base strip - MC 1,5/ 3-G-5,08 - 1836192

Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Drawings

Dimensioned drawing



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