

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

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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: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

The figure shows a 10-pos. version with 20 contacts

Product Features

- Plug-in direction parallel to the PCB
- Low-profile double-level pin strips with high contact density



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 112219
Weight per Piece (excluding packing)	17.68 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	21.9 mm
Pitch	3.81 mm
Dimension a	41.91 mm
Width	56.11 mm
Constructional height	22.7 mm
Height	26.2 mm
Length of the solder pin	3.5 mm

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Technical data

Dimensions

Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.2 mm

General

Range of articles	MCD 1,5/...-G1F
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
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Color	green
Number of positions	12

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

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	27449202
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

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Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

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 / cUL Recognized / IECEx CB Scheme / CCA / EAC / cULus Recognized / EAC

Ex Approvals

Approvals submitted

Approval details


CSA 		
	B	D
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I _N	8 A


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Approvals

Nominal voltage UN	160 V
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cUL Recognized 

	B	D
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

IECEE CB Scheme 

Nominal current IN	8 A
Nominal voltage UN	160 V

CCA

Nominal current IN	8 A
Nominal voltage UN	160 V

EAC

cULus Recognized

	B	D
Nominal current IN	8 A	8 A
Nominal voltage UN	300 V	300 V

EAC

Accessories

Accessories

Coding element

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Accessories

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



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

Additional products

Printed-circuit board connector - FMC 1,5/12-STF-3,81 - 1748451



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

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



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

Printed-circuit board connector - MCVR 1,5/12-STF-3,81 - 1828443



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

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Accessories

Printed-circuit board connector - MCVW 1,5/12-STF-3,81 - 1828595



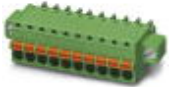
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/12-STF-3,81 - 1850958



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

Printed-circuit board connector - FK-MCP 1,5/12-STF-3,81 - 1851339



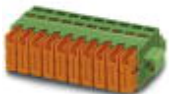
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MCC 1/12-STZF-3,81 - 1852464



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

Printed-circuit board connector - QC 0,5/12-STF-3,81 - 1897649

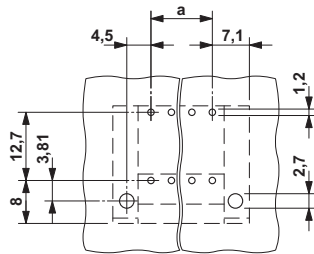


Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

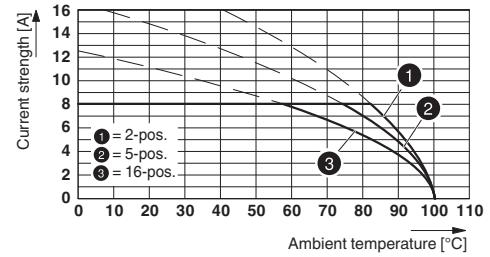
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Drawings

Drilling diagram

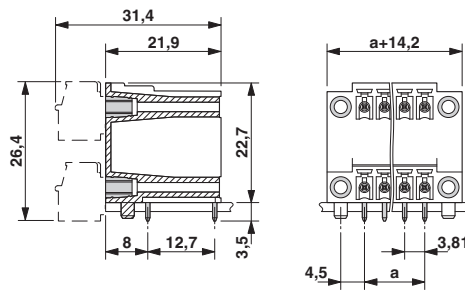


Diagram



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

Dimensional drawing



Mouser Electronics

Authorized Distributor

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