

Housing - MC 1,5/16-GF-3,81 - 1828003

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



The figure shows a 10-position version of the product

Why buy this product

- ☒ Versions with engagement noses for locking plugs with self-locking flanges
- ☒ Plug-in direction parallel and vertical to the PCB
- ☒ Low-profile pin strips with compact pitches
- ☒ Individual position keying by inserting keying profiles



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 213 (CC-2011)
GTIN	 4 017918 050450
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Length	9.2 mm
Pitch	3.81 mm
Dimension a	57.15 mm
Number of positions	16
Pin dimensions	0,8 x 0,8 mm
Hole diameter	1.2 mm

Technical data

Range of articles	MC 1,5/...-GF
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV

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Technical data

Technical data

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)	250 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	8 A
Nominal voltage U _N	160 V
Maximum load current	8 A
Insulating material	PBT
Inflammability class according to UL 94	V0
Color	green
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

Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

UNSPSC

UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409

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

Approvals

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Housing - MC 1,5/16-GF-3,81 - 1828003

Approvals

Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECEx CB Scheme / GOST / cULus Recognized

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

UL Recognized 		
	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
Nominal voltage U _N	160 V

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

GOST 		
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Approvals

IECEE CB Scheme 	
Nominal current I _N	8 A
Nominal voltage U _N	160 V

GOST 
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cULus Recognized 
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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

Plug/Adapter

Coding profile - CP-MSTB - 1734634



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

Fiber optics - MC 1,5/10-LWL 1,5-3,81 - 1841174



Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 1.5 mm, Color: transparent

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Accessories

Fiber optics - MC 1,5/10-LWL 2,3-3,81 - 1841190

Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 2.3 mm, Color: transparent



Fiber optics - MC 1,5/10-LWL 4-3,81 - 1841213

Fiber optics, Pitch: 3.81 mm, Number of positions: 10, Dimension a: 4 mm, Color: transparent



Additional products

Printed-circuit board connector - MC 1,5/16-STF-3,81 - 1827842

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Printed-circuit board connector - MCVR 1,5/16-STF-3,81 - 1828485

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Printed-circuit board connector - FRONT-MC 1,5/16-STF-3,81 - 1850990

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Housing - MC 1,5/16-GF-3,81 - 1828003

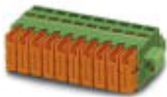
Accessories

Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503



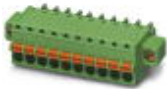
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

Printed-circuit board connector - QC 0,5/16-STF-3,81 - 1897681



Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/16-STF-3,81 - 1851371



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

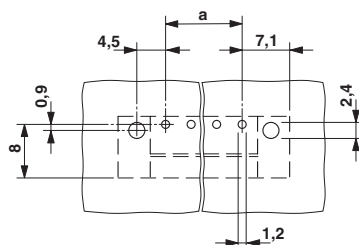
Printed-circuit board connector - MCVW 1,5/16-STF-3,81 - 1828634



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Drawings

Drilling diagram



Dimensioned drawing

