



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

Approvals

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

Approvals


Approvals


CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IEC60335-1 / IEC60335-2-15 / IEC60335-2-16 / IEC60335-2-17 / IEC60335-2-18 / IEC60335-2-19 / IEC60335-2-20 / IEC60335-2-21 / IEC60335-2-22 / IEC60335-2-23 / IEC60335-2-24 / IEC60335-2-25 / IEC60335-2-26 / IEC60335-2-27 / IEC60335-2-28 / IEC60335-2-29 / IEC60335-2-30 / IEC60335-2-31 / IEC60335-2-32 / IEC60335-2-33 / IEC60335-2-34 / IEC60335-2-35 / IEC60335-2-36 / IEC60335-2-37 / IEC60335-2-38 / IEC60335-2-39 / IEC60335-2-40 / IEC60335-2-41 / IEC60335-2-42 / IEC60335-2-43 / IEC60335-2-44 / IEC60335-2-45 / IEC60335-2-46 / IEC60335-2-47 / IEC60335-2-48 / IEC60335-2-49 / IEC60335-2-50 / IEC60335-2-51 / IEC60335-2-52 / IEC60335-2-53 / IEC60335-2-54 / IEC60335-2-55 / IEC60335-2-56 / IEC60335-2-57 / IEC60335-2-58 / IEC60335-2-59 / IEC60335-2-60 / IEC60335-2-61 / IEC60335-2-62 / IEC60335-2-63 / IEC60335-2-64 / IEC60335-2-65 / IEC60335-2-66 / IEC60335-2-67 / IEC60335-2-68 / IEC60335-2-69 / IEC60335-2-70 / IEC60335-2-71 / IEC60335-2-72 / IEC60335-2-73 / IEC60335-2-74 / IEC60335-2-75 / IEC60335-2-76 / IEC60335-2-77 / IEC60335-2-78 / IEC60335-2-79 / IEC60335-2-80 / IEC60335-2-81 / IEC60335-2-82 / IEC60335-2-83 / IEC60335-2-84 / IEC60335-2-85 / IEC60335-2-86 / IEC60335-2-87 / IEC60335-2-88 / IEC60335-2-89 / IEC60335-2-90 / IEC60335-2-91 / IEC60335-2-92 / IEC60335-2-93 / IEC60335-2-94 / IEC60335-2-95 / IEC60335-2-96 / IEC60335-2-97 / IEC60335-2-98 / IEC60335-2-99 / IEC60335-2-100


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

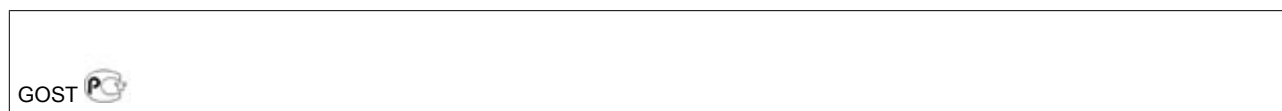
cUL Recognized 		
	B	D
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

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

Approvals

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



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

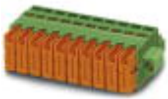
Printed-circuit board connector - MCC 1/16-STZF-3,81 - 1852503

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)



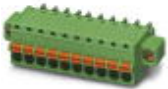
Printed-circuit board connector - QC 0,5/16-STF-3,81 - 1897681

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



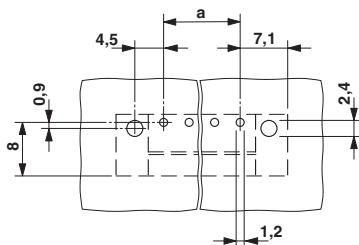
Printed-circuit board connector - MCVW 1,5/16-STF-3,81 - 1828634

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

