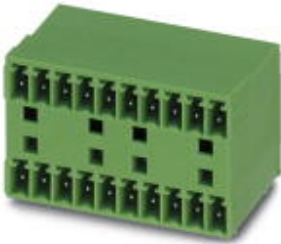


Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

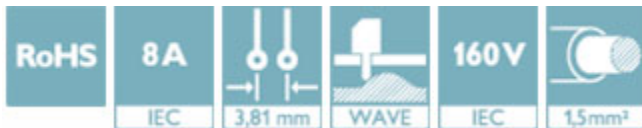


Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.


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

Why buy this product

- ✓ Well-known mounting principle allows worldwide use
- ✓ Conductor connection on several levels enables higher contact density
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 099909
GTIN	4017918099909
Weight per Piece (excluding packing)	8.930 g
Custom tariff number	85366930
Country of origin	Germany

Technical data

Dimensions

Length [l]	21.9 mm
Pitch	3.81 mm
Dimension a	22.86 mm
Width [w]	28.06 mm
Constructional height	22.7 mm

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Technical data

Dimensions

Height [h]	26.2 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,8 x 0,8
Pin spacing	12.70 mm
Hole diameter	1.2 mm

General

Range of articles	MCD 1,5/...-G1
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	7

Standards and Regulations

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

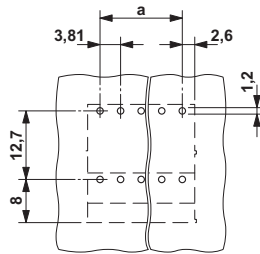
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

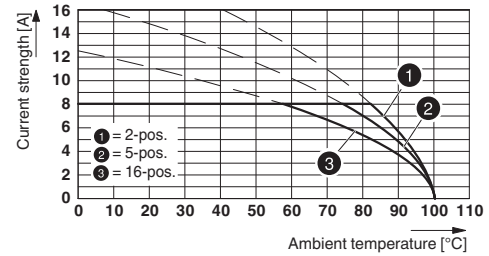
Drawings

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Drilling diagram

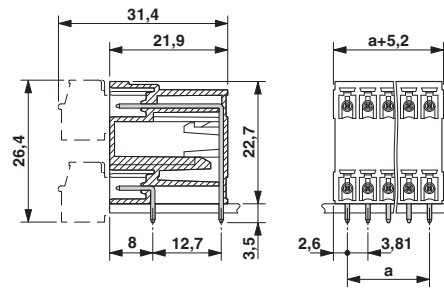


Diagram



Type: MC 1,5/...-ST-3,81 with MCD 1,5/...-G1-3,81

Dimensional drawing



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	27440402
eCl@ss 9.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	EC002637

UNSPSC

UNSPSC 6.01	30211810
-------------	----------

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Classifications

UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals


Approvals


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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		B	D
Nominal current IN		8 A	8 A
Nominal voltage UN		300 V	300 V


VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40011723
Nominal current IN		8 A	
Nominal voltage UN		160 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-59621-B1B2
Nominal current IN		8 A	
Nominal voltage UN		160 V	

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Approvals

CCA		CCA/ DE1 34219
Nominal current I _N	8 A	
Nominal voltage U _N	160 V	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20110128
	B	D	
Nominal current I _N	8 A	8 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
-----	---	---------

Accessories

Accessories

Coding element

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 size: 3.81 x 2.8 mm

Additional products

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Accessories

Printed-circuit board connector - FMC 1,5/ 7-ST-3,81 - 1748024



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 7-ST-3,81 - 1803620



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MCVW 1,5/ 7-ST-3,81 - 1827020



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MCVR 1,5/ 7-ST-3,81 - 1827172



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/ 7-ST-3,81 - 1850712

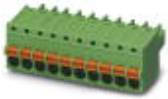


Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Front screw connection, color: green, contact surface: Tin

Printed-circuit board connector - MCD 1,5/ 7-G1-3,81 - 1843127

Accessories

Printed-circuit board connector - FK-MCP 1,5/ 7-ST-3,81 - 1851096



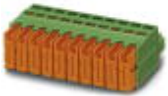
Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - MCC 1/ 7-STZ-3,81 - 1852228



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 7, 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/ 7-ST-3,81 - 1897445



Plug component, nominal current: 6 A, rated voltage (III/2): 200 V, number of positions: 7, pitch: 3.81 mm, connection method: Displacement connection, color: green, contact surface: Tin