

# Printed-circuit board connector - FMC 0,5/ 6-ST-2,54 C2 - 1706239

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>)

PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold, Fixed coding of last position; can be combined with MC(V) 0,5/...-G-2,54...C2 headers



The figure shows a 10-position version of the product

## Why buy this product

- Gold-plated contacts ensure transfer quality remains stable over the long term
- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Optimized for tight installation situations: operation and conductor connection from one direction



## Key Commercial Data

Packing unit	200 STK
GTIN	
GTIN	4046356841290

## Technical data

### Dimensions

Length [ l ]	15.85 mm
Width [ w ]	15.7 mm
Height [ h ]	5.35 mm
Pitch	2.54 mm
Dimension a	12.7 mm

### General

Range of articles	FMC 0,5/...-ST
Type of contact	Female connector
Number of positions	6
Connection method	Push-in spring connection

# Printed-circuit board connector - FMC 0,5/ 6-ST-2,54 C2 - 1706239

## Technical data

### General

Insulating material group	IIIa
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)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Insulating material	LCP
Flammability rating according to UL 94	V0
Stripping length	7 mm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.25 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

### Standards and Regulations

Connection in acc. with standard	EN-VDE
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

## Approvals

### Approvals

### Approvals


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


# Printed-circuit board connector - FMC 0,5/ 6-ST-2,54 C2 - 1706239


## Approvals


Ex Approvals

### Approval details

cULus Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-19920306		
	B	C
Nominal voltage UN	150 V	50 V
Nominal current IN	6 A	6 A
mm <sup>2</sup> /AWG/kcmil	26-20	26-20

VDE Gutachten mit Fertigungsüberwachung  <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> 40042258	
Nominal voltage UN	160 V
Nominal current IN	6 A
mm <sup>2</sup> /AWG/kcmil	0.14-0.5

IECEE CB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55663-B1	
Nominal voltage UN	160 V
Nominal current IN	6 A
mm <sup>2</sup> /AWG/kcmil	0.14-0.5

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

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>