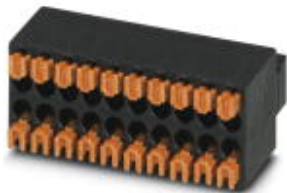


# Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

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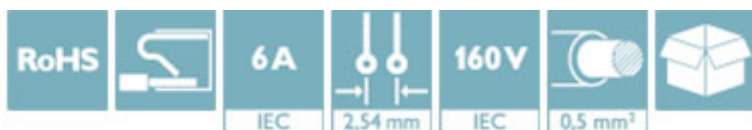
Plug, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 6 with 12 contacts, pitch: 2.54 mm, connection method: spring connection, color: black, contact surface: gold




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

## 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	100 STK
GTIN	 4 046356 964289
GTIN	4046356964289
Weight per Piece (excluding packing)	3.132 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Length	15.4 mm
Height	10.5 mm
Width	15.74 mm
Pitch	2.54 mm
Dimension a	12.7 mm

### General

# Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

## Technical data

### General

Range of articles	DFMC 0,5/...-ST
Type of contact	Female connector
Number of positions	6
Connection method	Push-in spring connection
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 $I_N$	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	6 A
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

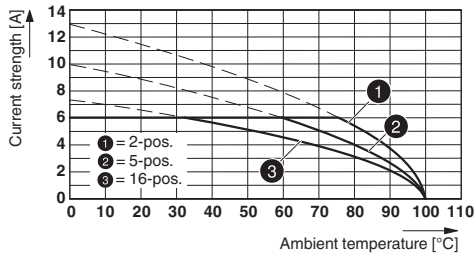
### Environmental Product Compliance

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

## Drawings

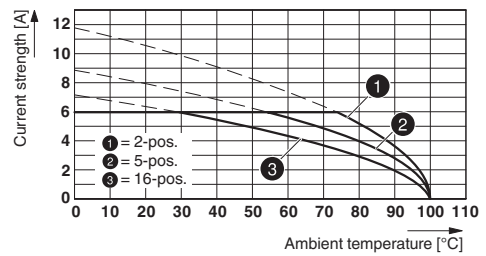
# Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

Diagram



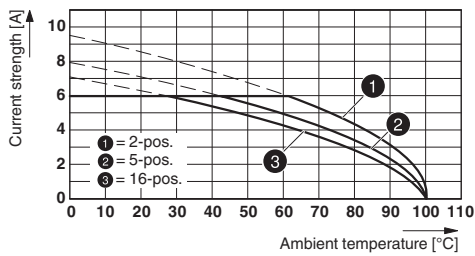
Type: DFMC 0,5/...-ST-2,54 with DMC 0,5/...-G1-2,54 SMD R...

Diagram



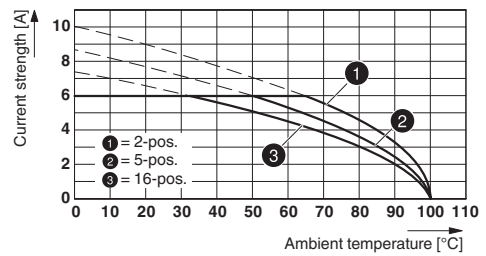
Type: DFMC 0,5/...-ST-2,54 with DMCV 0,5/...-G1-2,54 SMD R...

Diagram



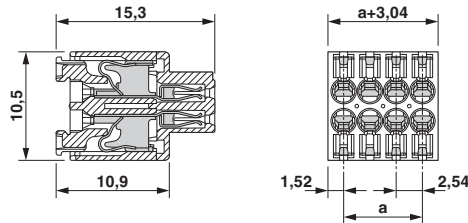
Type: DFMC 0,5/...-ST-2,54 with DMC 0,5/...-G1-2,54 P20THR R...

Diagram



Type: DFMC 0,5/...-ST-2,54 with DMCV 0,5/...-G1-2,54 P20THR R...

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002638

# Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

## Classifications

### UNSPSC

UNSPSC 13.2	39121409
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## Approvals

### Approvals

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### Approvals


cULus Recognized / VDE report with production monitoring / IECCEB Scheme / EAC


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### Ex Approvals

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## 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
mm <sup>2</sup> /AWG/kcmil	26-20	26-20
Nominal current I <sub>N</sub>	6 A	6 A
Nominal voltage U <sub>N</sub>	150 V	50 V

VDE report with production monitoring  <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> 40042389	
mm <sup>2</sup> /AWG/kcmil	0.14-0.5
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V

IECCEB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55740	
mm <sup>2</sup> /AWG/kcmil	0.14-0.5
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V

EAC  B.01742
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## Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

### Accessories

#### Accessories

#### Connector

Ferrule - A 0,25- 7 - 3202478



Ferrule, Length: 7 mm, Color: silver

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Ferrule - A 0,34- 7 - 3009202



Ferrule, Length: 7 mm, Color: silver

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#### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

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#### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

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#### Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

## Printed-circuit board connector - DFMC 0,5/ 6-ST-2,54 - 1844617

### Accessories

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#### Additional products

##### Printed-circuit board connector - DMC 0,5/ 6-G1-2,54 P20THR R44 - 1844769



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE DMC...

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##### Printed-circuit board connector - DMCV 0,5/ 6-G1-2,54 P20THR R44 - 1844918



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE DMC...

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##### Printed-circuit board connector - DMC 0,5/ 6-G1-2,54 SMD R44 - 1845069



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE DMC...

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##### Printed-circuit board connector - DMCV 0,5/ 6-G1-2,54 SMD R44 - 1845218



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: SMD soldering, Sample values available under SAMPLE DMC...

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