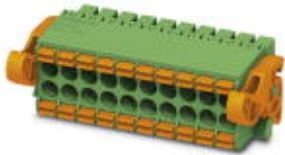


## Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5-LR - 1790551

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>)

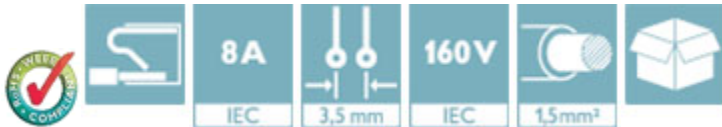
Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9 with 18 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin



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

### Product Features

- Combination with very flat DMC headers
- Ultra-flat design height of 13.3 mm
- Conductor cross section of up to 1.5 mm<sup>2</sup>
- Fast conductor connection by means of Push-in direct plug-in technology
- Lock & Release levers lock the plug to the header and also serve as a release tool



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	10.4 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	27.75 mm
Height	13.25 mm
Width	38.5 mm
Pitch	3.50 mm
Dimension a	28 mm

#### General

Range of articles	DFMC 1,5/..-ST-LR
-------------------	-------------------

# Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5-LR - 1790551

## Technical data

### General

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)	250 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm
Number of positions	9

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 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.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	24

### Standards and Regulations

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

# Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5-LR - 1790551

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638

### UNSPSC

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

## Approvals

### Approvals

---

#### Approvals

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

---

#### Ex Approvals

---

#### Approvals submitted

---

#### Approval details

# Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5-LR - 1790551

## Approvals

VDE Gutachten mit Fertigungsüberwachung

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	160 V

IECEE CB Scheme

Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	160 V

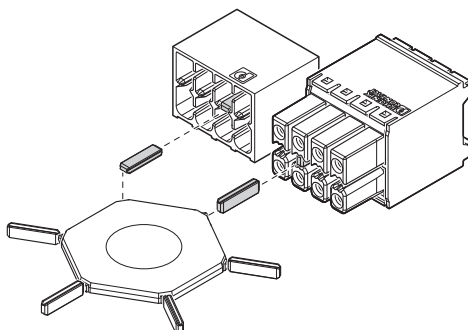
cULus Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	16-24	16-24
Nominal current I <sub>N</sub>	8 A	8 A
Nominal voltage U <sub>N</sub>	150 V	50 V

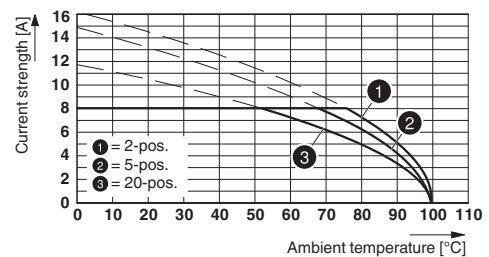
EAC

## Drawings

Schematic diagram



Diagram



Type: DFMC 1,5/...-ST-3,5-LR with DMC 1,5/...-G1F-3,5-LR P20 THR

Use of the CP-DMC... coding profile

# Printed-circuit board connector - DFMC 1,5/ 9-ST-3,5-LR - 1790551

Dimensional drawing

