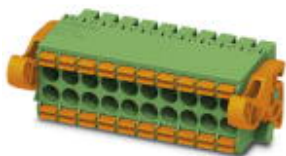


# Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

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: 3 with 6 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

## Why buy this product

- Versions with and without screw flanges and Lock & Release levers
- 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	50 pc
GTIN	 4 046356 594554
Weight per Piece (excluding packing)	4.33 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Length	27.75 mm
Height	13.25 mm
Pitch	3.5 mm
Dimension a	7 mm

### General

Range of articles	DFMC 1,5/...-ST-LR
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV

# Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

## Technical data

### General

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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm
Number of positions	3

### 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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.75 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Minimum AWG according to UL/CUL	16
Maximum AWG according to UL/CUL	24

## 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

# Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

## Classifications

### 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


UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized

#### Ex Approvals

#### Approvals submitted


### Approval details


UL 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	

cUL 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	

# Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

## 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 	
--	--

## Accessories

Accessories

Coding element

Coding profile - CP-DMC 1,5 NAT - 1790647

Coding profile, for plugging into the coding ribs of the plug or header at a later date, insulating material, color: natural



## 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

## Screwdriver tools

## Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

### Accessories

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

---

### Additional products

Printed-circuit board connector - DMC 1,5/ 3-G1F-3,5-LR P20THR - 1787027



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

---

Printed-circuit board connector - DMCV 1,5/ 3-G1F-3,5-LR P20THR - 1787409



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR

---

Printed-circuit board connector - DMC 1,5/ 3-G1F-3,5-LRP20THRR44 - 1818517



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components

---

Printed-circuit board connector - DMCV 1,5/ 3-G1F-3,5-LRP20THRR44 - 1818711



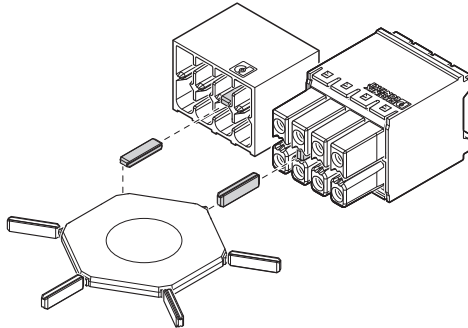
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components

---

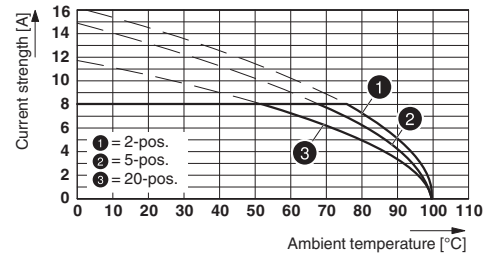
### Drawings

# Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5-LR - 1790496

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

Dimensioned drawing

