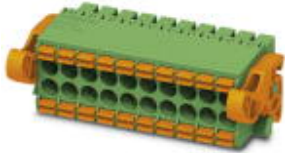


## Printed-circuit board connector - DFMC 1,5/12-ST-3,5-LR - 1790580

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin



### Product Features

- Combination with very flat DMC headers
- Versions with and without screw flanges and Lock & Release levers
- Conductor cross section of up to 1.5 mm<sup>2</sup>
- Ultra-flat design height of 13.3 mm
- 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 PCE
GTIN	 4 046356 594646
Custom tariff number	85366990
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Length	27.75 mm
Height	13.25 mm
Pitch	3.5 mm
Dimension a	38.5 mm
Number of positions	12

#### Technical data

Range of articles	DFMC 1,5/...-ST-LR
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## Printed-circuit board connector - DFMC 1,5/12-ST-3,5-LR - 1790580

### Technical data

#### Technical data

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/2)	160 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A
Nominal voltage $U_N$	160 V
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
Nominal voltage, UL/CUL Use Group B	150 V
Nominal current, UL/CUL Use Group B	8 A

#### 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

#### ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638

# Printed-circuit board connector - DFMC 1,5/12-ST-3,5-LR - 1790580

## Classifications

### UNSPSC

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

### 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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### 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	

# Printed-circuit board connector - DFMC 1,5/12-ST-3,5-LR - 1790580

## Approvals

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	

cULus Recognized			
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## Drawings

### Diagram

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

### Dimensioned drawing

