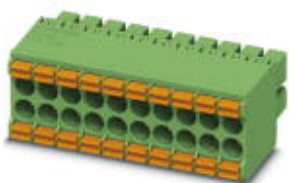


Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111

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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

- Combination with very flat DMC headers
- Versions with and without screw flanges and Lock & Release levers
- Ultra-flat design height of 13.3 mm
- Conductor cross section of up to 1.5 mm²
- 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 594264 |
| Weight per Piece (excluding packing) | 3.4 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------|----------|
| Length | 22.65 mm |
| Height | 13.25 mm |
| Pitch | 3.5 mm |
| Dimension a | 7 mm |

General

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

Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111

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 ² |
| 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 ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.75 mm ² |
| 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 |

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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 ² /AWG/kcmil | 16-24 | 16-24 | |
| Nominal current I _N | 8 A | 8 A | |
| Nominal voltage U _N | 150 V | 50 V | |


| | | | |
|--|-------|-------|---|
| cUL Recognized  | | | |
| | | B | C |
| mm ² /AWG/kcmil | 16-24 | 16-24 | |
| Nominal current I _N | 8 A | 8 A | |
| Nominal voltage U _N | 150 V | 50 V | |

Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111

Approvals

| | |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  | |
| mm ² /AWG/kcmil | 0.2-1.5 |
| Nominal current I _N | 8 A |
| Nominal voltage U _N | 160 V |

| | |
|---|-------|
| IECEE CB Scheme  | |
| Nominal current I _N | 8 A |
| Nominal voltage U _N | 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 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Screwdriver tools

Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111

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-G1-3,5 P20THR - 1786840



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-G1-3,5 P20THR - 1787218



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-G1-3,5 P20THR R24-2 - 1816140



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-G1-3,5 P20THR R24 - 1818588



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

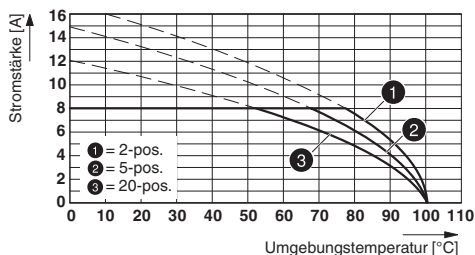
Drawings

Printed-circuit board connector - DFMC 1,5/ 3-ST-3,5 - 1790111

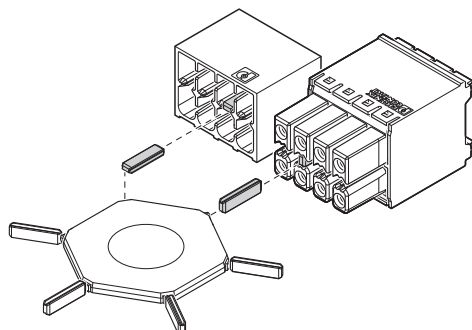
Diagram

Typ:
 DFMC
 1,5/..-
 ST-3,5
 with
 DMCV
 1,5/..-
 G1-3,5
 P20
 THR
 Typ: DFMC 1,5/..-ST-3,5 with DMCV 1,5/..-G1-3,5 P20 THR

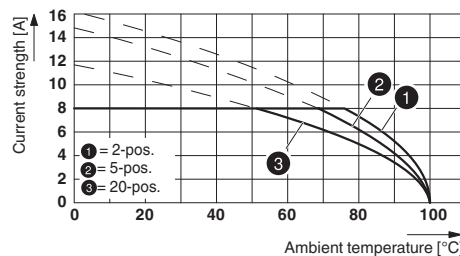
Diagram



Schematic diagram



Diagram



Type: DFMC 1,5/...-ST-3,5 with DMC 1,5/...-G1-3,5 P20 THR

Use of the CP-DMC... coding profile

Dimensioned drawing

