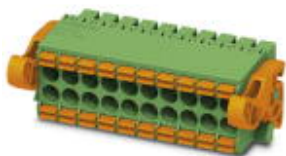


Printed-circuit board connector - DFMC 1,5/15-ST-3,5-LR - 1790616

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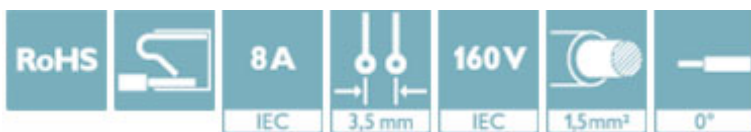
Plug, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 15 with 30 contacts, pitch: 3.5 mm, connection method: spring-cage connection, color: green, contact surface: tin



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

Why buy this product

- 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
- Automatic locking and intuitive release through Lock and Release operating lever in contrasting color



Key Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Packing unit | 50 STK |
| GTIN | |
| GTIN | 4046356594677 |
| Weight per Piece (excluding packing) | 16.220 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 27.79 mm |
| Width [w] | 59.4 mm |
| Height [h] | 13.25 mm |
| Pitch | 3.5 mm |
| Dimension a | 49 mm |

General

Printed-circuit board connector - DFMC 1,5/15-ST-3,5-LR - 1790616

Technical data

General

| | |
|--|---------------------------|
| Range of articles | DFMC 1,5/..-ST-LR |
| Type of contact | Female connector |
| Number of positions | 15 |
| Connection method | Push-in spring connection |
| 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 ² |
| Maximum load current | 8 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 10 mm |

Connection data

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

Specifications for ferrules

| | |
|--|--|
| Ferrules without insulating collar, according to DIN 46228-1 | Cross section: 0.25 mm ² ; Length: 5 mm ... 7 mm |
| | Cross section: 0.34 mm ² ; Length: 7 mm |
| | Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 0.75 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 1 mm ² ; Length: 8 mm ... 10 mm |
| | Cross section: 1.5 mm ² ; Length: 10 mm |

Printed-circuit board connector - DFMC 1,5/15-ST-3,5-LR - 1790616

Technical data

Standards and Regulations

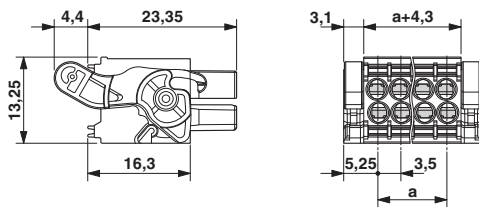
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

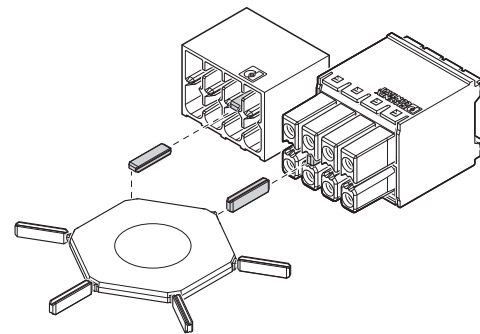
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Dimensional drawing

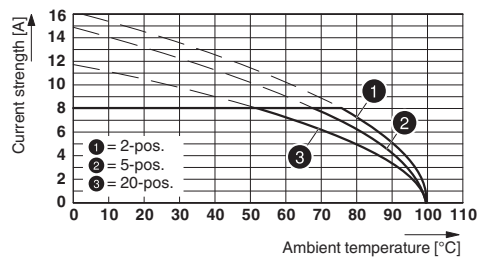


Schematic diagram



Use of the CP-DMC... coding profile

Diagram



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

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 |

Printed-circuit board connector - DFMC 1,5/15-ST-3,5-LR - 1790616

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | 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 / IECCEB Scheme / cULus Recognized / EAC / cULus Recognized

Ex Approvals


Approval details

| | | | |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40038423 |
| mm ² /AWG/kcmil | 0.2-1.5 | | |
| Nominal current I _N | 8 A | | |
| Nominal voltage U _N | 160 V | | |


| | | | |
|--------------------------------|---|---|-----------------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-56070_B1_B2 |
| Nominal current I _N | 8 A | | |
| Nominal voltage U _N | 160 V | | |

Printed-circuit board connector - DFMC 1,5/15-ST-3,5-LR - 1790616

Approvals

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E60425-19920306

EAC  B.01742

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E60425-19920306

| | B | C | D |
|--------------------------------|-------|-------|-------|
| mm ² /AWG/kcmil | 24-16 | 24-16 | 24-16 |
| Nominal current I _N | 8 A | 8 A | 8 A |
| Nominal voltage U _N | 300 V | 50 V | 300 V |

Accessories

Accessories

Coding element

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



Coding profile, for insertion between the coding ribs of the connector and the header following the reflow soldering process, 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 1,5/15-ST-3,5-LR - 1790616

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 1,5/15-G1F-3,5-LR P20THR - 1787140



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 15, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - DMCV 1,5/15-G1F-3,5-LR P20THR - 1787522



Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 15, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering
