

## Base strip - DFK-MC 1,5/ 2-GF-3,81 - 1829345

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

The figure shows a 10-position version of the product

### Why buy this product

- Free choice – permanent solder connection or standardized slip-on connection
- Cable connection on the inside of the device enables flexible positioning of the panel feed-through



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 STK  |
| Minimum order quantity               | 50 STK  |
| GTIN                                 | <br>4 017918 051020 |
| GTIN                                 | 4017918051020   |
| Weight per Piece (excluding packing) | 2.490 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|                                  |              |
|----------------------------------|--------------|
| Length                           | 16.2 mm      |
| Height                           | 20.4 mm      |
| Width                            | 22.01 mm     |
| Pitch                            | 3.81 mm      |
| Dimension a                      | 3.81 mm      |
| Dimensions of slip-on connection | 2,8 x 0,8 mm |

#### General

|                   |                  |
|-------------------|------------------|
| Range of articles | DFK-MC 1,5/..-GF |
|-------------------|------------------|

# Base strip - DFK-MC 1,5/ 2-GF-3,81 - 1829345

## Technical data

### General

|  |                           |
|--|---------------------------|
| Type of contact                        | Male connector            |
| Number of positions                    | 2                         |
| Connection method                      | Solder/Slip-on 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)                   | 320 V                     |
| Connection in acc. with standard       | EN-VDE                    |
| Nominal current I <sub>N</sub>         | 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                        |

### Connection data

|                                       |                      |
|---------------------------------------|----------------------|
| Conductor cross section solid min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min. | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.      | 28                   |
| Conductor cross section AWG max.      | 16                   |

### Standards and Regulations

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

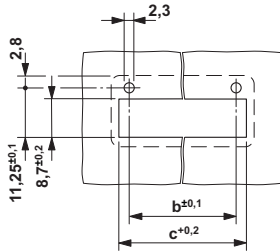
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

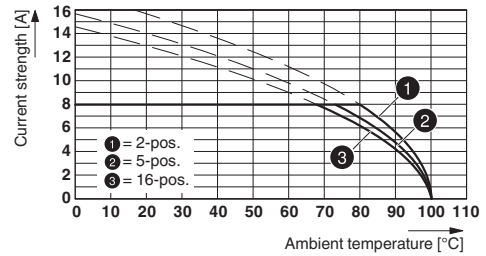
## Drawings

# Base strip - DFK-MC 1,5/ 2-GF-3,81 - 1829345

Drilling diagram



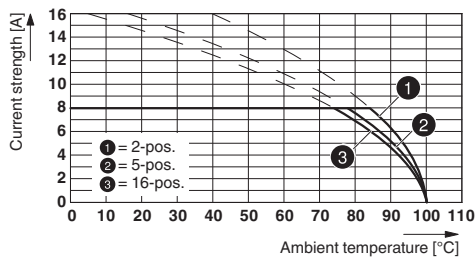
Diagram



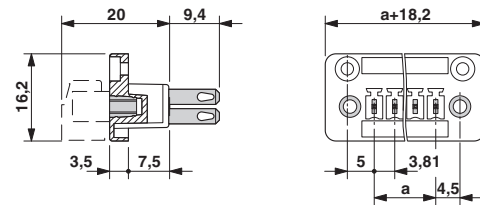
Dimension b: 6.19 mm + (no. of pos. x 3.81 mm)  
Dimension c: Dim. b + 4.7 mm

Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with flat plug)

Diagram



Dimensional drawing



Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with solder connection)

## 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 | 27141134 |
| eCl@ss 9.0 | 27141134 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001283 |
| ETIM 4.0 | EC001283 |
| ETIM 5.0 | EC001283 |
| ETIM 6.0 | EC001283 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |

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## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2  | 39121410 |

## Approvals

### Approvals

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### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / CCA / cULus Recognized / EAC

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### Ex Approvals

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## Approval details

|                    |  |   |       |
|--------------------|--|---|-------|
| CSA                |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 13631 |
| Nominal current IN |  | 8 A   |       |
| Nominal voltage UN |  | 150 V   |       |

|   |  |   |          |
|---|--|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40011723 |
| mm <sup>2</sup> /AWG/kcmil              |  | 0.2-1.5   |          |
| Nominal current IN                      |  | 8 A   |          |
| Nominal voltage UN                      |  | 160 V   |          |


|                            |  |   |                |
|----------------------------|--|---|----------------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-56063-B1B2 |
| mm <sup>2</sup> /AWG/kcmil |  | 0.2-1.5   |                |
| Nominal current IN         |  | 8 A   |                |
| Nominal voltage UN         |  | 160 V   |                |


|                            |  |         |                |
|----------------------------|--|---------|----------------|
| CCA                        |  |         | CCA/ DE1 34219 |
| mm <sup>2</sup> /AWG/kcmil |  | 0.2-1.5 |                |

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## Approvals

|                    |       |
|--------------------|-------|
| Nominal current IN | 8 A   |
| Nominal voltage UN | 160 V |

|  |       |       |
|--|-------|-------|
| cULus Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-20110128 |       |       |
|  | B     | D     |
| Nominal current IN   | 8 A   | 8 A   |
| Nominal voltage UN   | 300 V | 300 V |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

## Accessories

### Accessories

#### Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



## Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 3.81 mm, Lettering field: 3.81 x 2.8 mm

## Mounting material

Screw set - DFK-MC SS - 0710015



Screw set, for securing the header to the housing wall, consists of M2 x 8 screw, spring washer and nut, 1 piece each

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### Accessories

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#### Screwdriver tools

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

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#### Additional products

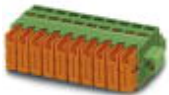
Printed-circuit board connector - MCVR 1,5/ 2-STF-3,81 - 1828346



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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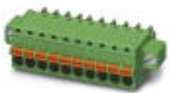
Printed-circuit board connector - QC 0,5/ 2-STF-3,81 - 1897542



Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - FK-MCP 1,5/ 2-STF-3,81 - 1851232



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - MCVW 1,5/ 2-STF-3,81 - 1828498



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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## Base strip - DFK-MC 1,5/ 2-GF-3,81 - 1829345

### Accessories

Printed-circuit board connector - MC 1,5/ 2-STF-3,81 - 1827703



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - MCC 1/ 2-STZF-3,81 - 1852367



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

Printed-circuit board connector - FRONT-MC 1,5/ 2-STF-3,81 - 1850851



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin