

## Base strip - DFK-MC 1,5/ 3-GF-3,81 - 1829358

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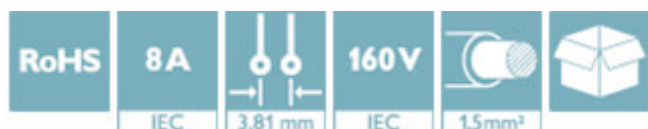


Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

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                                                                                                  |
| GTIN                                 | <br>4 017918 051037 |
| GTIN                                 | 4017918051037                                                                                           |
| Weight per Piece (excluding packing) | 2.880 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### Dimensions

|                                  |              |
|----------------------------------|--------------|
| Length                           | 16.2 mm      |
| Height                           | 20.4 mm      |
| Width                            | 25.82 mm     |
| Pitch                            | 3.81 mm      |
| Dimension a                      | 7.62 mm      |
| Dimensions of slip-on connection | 2,8 x 0,8 mm |

#### General

|                   |                   |
|-------------------|-------------------|
| Range of articles | DFK-MC 1,5/...-GF |
| Type of contact   | Male connector    |

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### Technical data

#### General

|                                        |                           |
|----------------------------------------|---------------------------|
| Number of positions                    | 3                         |
| 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 $I_N$                  | 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     |

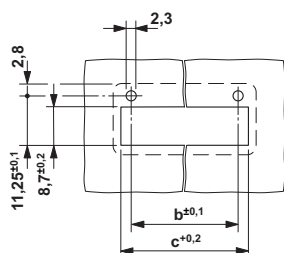
#### Environmental Product Compliance

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

### Drawings

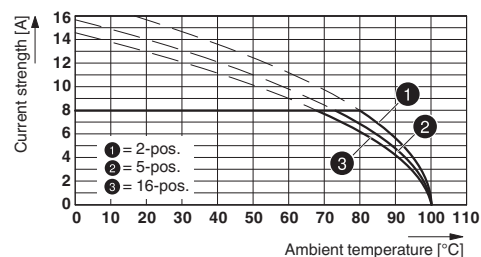
## Base strip - DFK-MC 1,5/ 3-GF-3,81 - 1829358

Drilling diagram



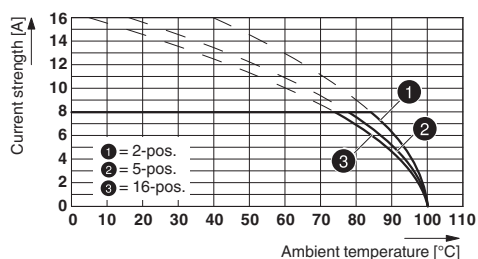
Dimension b: 6.19 mm + (no. of pos. x 3.81 mm)  
Dimension c: Dim. b + 4.7 mm

Diagram



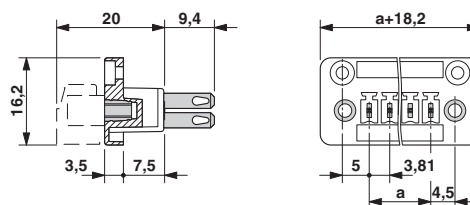
Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with flat plug)

Diagram



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

Dimensional drawing



## 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

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / CCA / cULus Recognized / EAC

#### Ex Approvals

### 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 I <sub>N</sub>                                                                                                                                                            | 8 A   |
|     |                                                                                     | Nominal voltage U <sub>N</sub>                                                                                                                                                            | 150 V |

|                                            |                                                                                     |                                                                                                                                                                                                         |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>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 I <sub>N</sub>                                                                                                                                                                          | 8 A      |
|                                            |                                                                                     | Nominal voltage U <sub>N</sub>                                                                                                                                                                          | 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 I <sub>N</sub>                            | 8 A            |
|                 |                                                                                     | Nominal voltage U <sub>N</sub>                            | 160 V          |

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

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### Approvals

|                                |       |
|--------------------------------|-------|
|                                |       |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 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 I <sub>N</sub> | 8 A                                                                               | 8 A                                                                                                                                                   |                 |
| Nominal voltage U <sub>N</sub> | 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/ 3-STF-3,81 - 1828359



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Printed-circuit board connector - FRONT-MC 1,5/ 3-STF-3,81 - 1850864



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - MC 1,5/ 3-STF-3,81 - 1827716



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Printed-circuit board connector - FK-MCP 1,5/ 3-STF-3,81 - 1851245



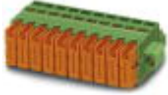
Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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## Base strip - DFK-MC 1,5/ 3-GF-3,81 - 1829358

### Accessories

Printed-circuit board connector - QC 0,5/ 3-STF-3,81 - 1897555



Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

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Printed-circuit board connector - MCVW 1,5/ 3-STF-3,81 - 1828508



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Printed-circuit board connector - MCC 1/ 3-STZF-3,81 - 1852370



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, 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)