

## Base strip - MC 1,5/14-G-3,81 - 1803390

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Header, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, Color: green, contact surface: Tin, mounting: Wave soldering



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Well-known mounting principle allows worldwide use
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| GTIN                                 | <br>4 017918 045708 |
| GTIN                                 | 4017918045708                                                                                           |
| Weight per Piece (excluding packing) | 3.830 g                                                                                                 |
| Custom tariff number                 | 85366930                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                       |          |
|-----------------------|----------|
| Length [ l ]          | 9.2 mm   |
| Pitch                 | 3.81 mm  |
| Dimension a           | 49.53 mm |
| Width [ w ]           | 54.73 mm |
| Constructional height | 7.25 mm  |
| Height [ h ]          | 10.65 mm |

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### Technical data

#### Dimensions

|                          |           |
|--------------------------|-----------|
| Length of the solder pin | 3.4 mm    |
| Pin dimensions           | 0,8 x 0,8 |
| Hole diameter            | 1.2 mm    |

#### General

|                                        |              |
|----------------------------------------|--------------|
| Range of articles                      | MC 1,5/...-G |
| Insulating material group              | IIIa         |
| 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          |
| Maximum load current                   | 8 A          |
| Insulating material                    | PBT          |
| Flammability rating according to UL 94 | V0           |
| Color                                  | green        |
| Number of positions                    | 14           |

#### Standards and Regulations

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

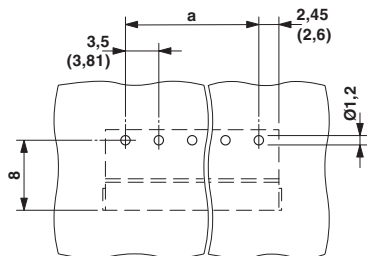
#### Environmental Product Compliance

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

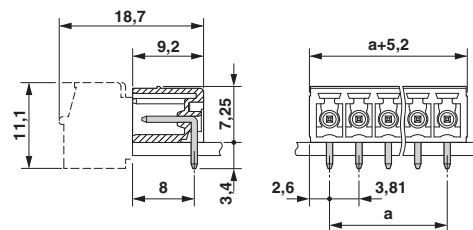
### Drawings

## Base strip - MC 1,5/14-G-3,81 - 1803390

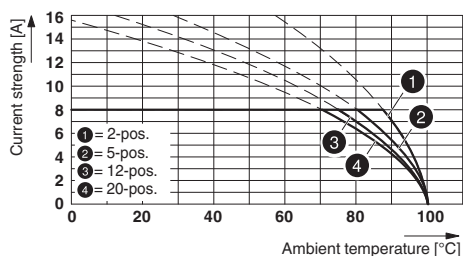
Drilling diagram



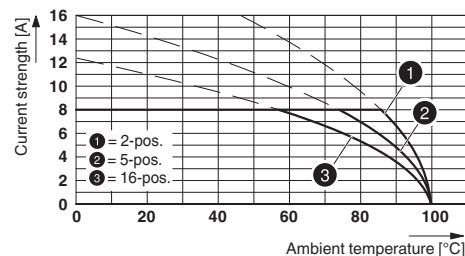
Dimensional drawing



Diagram



Diagram



Type: MC 1,5/...-ST-3,81 with MC 1,5/...-G-3,81

Type: IMC 1,5/...-G-3,81 with MC 1,5/...-G-3,81

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 30211810 |
|-------------|----------|

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### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### 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 |
|                                | B                                                                                   | D                                                                                                                                                                                         |       |
| Nominal current I <sub>N</sub> | 8 A                                                                                 | 8 A                                                                                                                                                                                       |       |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 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 |
|                                            |                                                                                     |                                                                                                                                                                                                         |          |
| 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> | DE1-58415-B1B2 |
|                                |                                                                                     |                                                           |                |
| Nominal current I <sub>N</sub> | 8 A                                                                                 |                                                           |                |
| Nominal voltage U <sub>N</sub> | 160 V                                                                               |                                                           |                |

## Base strip - MC 1,5/14-G-3,81 - 1803390

### Approvals

|                                |  |                |  |
|--------------------------------|--|----------------|--|
| CCA                            |  | CCA/ DE1 34219 |  |
|                                |  |                |  |
| 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

### Fiber optics

Fiber optics - MC 1,5/10-LWL 1,5-3,81 - 1841174



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### Accessories

Fiber optics - MC 1,5/10-LWL 2,3-3,81 - 1841190



Fiber optics - MC 1,5/10-LWL 4-3,81 - 1841213



### 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

### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

### Additional products

## Base strip - MC 1,5/14-G-3,81 - 1803390

### Accessories

Printed-circuit board connector - FMC 1,5/14-ST-3,81 - 1748095



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - MC 1,5/14-ST-3,81 - 1803691



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MCVW 1,5/14-ST-3,81 - 1827091



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MCVR 1,5/14-ST-3,81 - 1827240



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - FRONT-MC 1,5/14-ST-3,81 - 1850783

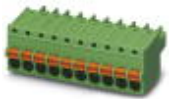


Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Front screw connection, Color: green, contact surface: Tin

## Base strip - MC 1,5/14-G-3,81 - 1803390

### Accessories

Printed-circuit board connector - FK-MCP 1,5/14-ST-3,81 - 1851164



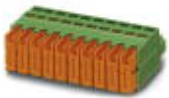
Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, pitch: 3.81 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - MCC 1/14-STZ-3,81 - 1852299



Plug component, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 14, 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 - QC 0,5/14-ST-3,81 - 1897513



Plug component, nominal current: 6 A, rated voltage (III/2): 200 V, number of positions: 14, pitch: 3.81 mm, connection method: Displacement connection, Color: green, contact surface: Tin