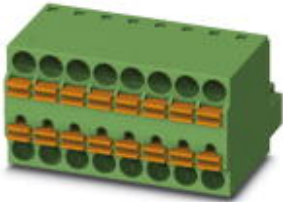


# Printed-circuit board connector - TFMC 1,5/ 9-ST-3,5 - 1772689

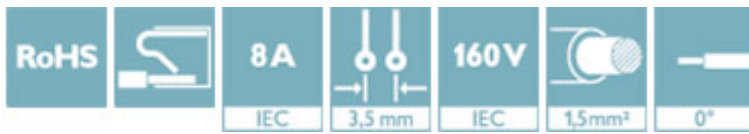
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PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 9, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

## Your advantages

- Potentials can be easily looped through – ideal for BUS applications
- 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



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356464024 |

## Technical data

### Dimensions

|              |         |
|--------------|---------|
| Length [ l ] | 22.9 mm |
| Width [ w ]  | 32.3 mm |
| Height [ h ] | 15.7 mm |
| Pitch        | 3.5 mm  |
| Dimension a  | 28 mm   |

### General

|                             |                           |
|-----------------------------|---------------------------|
| Range of articles           | TFMC 1,5/...-ST           |
| Number of positions         | 9                         |
| 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                    |

# Printed-circuit board connector - TFMC 1,5/ 9-ST-3,5 - 1772689

## Technical data

### General

|  |                     |
|--|---------------------|
| 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                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 10 mm               |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 16                   |
| Minimum AWG according to UL/CUL  | 24                   |
| Maximum AWG according to UL/CUL  | 16                   |

### Specifications for ferrules

|  |  |
|--|--|
| Recommended crimping pliers                                  | 1212034 CRIMPFOX 6   |
| Ferrules without insulating collar, according to DIN 46228-1 | Cross section: 0.25 mm <sup>2</sup> ; Length: 5 mm ... 7 mm  |
|  | Cross section: 0.34 mm <sup>2</sup> ; Length: 7 mm           |
|  | Cross section: 0.5 mm <sup>2</sup> ; Length: 8 mm ... 10 mm  |
|  | Cross section: 0.75 mm <sup>2</sup> ; Length: 8 mm ... 10 mm |
|  | Cross section: 1 mm <sup>2</sup> ; Length: 8 mm ... 10 mm    |
|  | Cross section: 1.5 mm <sup>2</sup> ; Length: 10 mm           |

### 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 |
|------------|---|

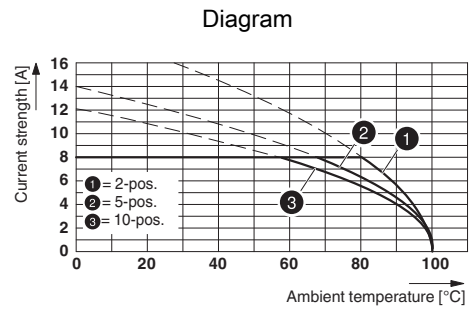
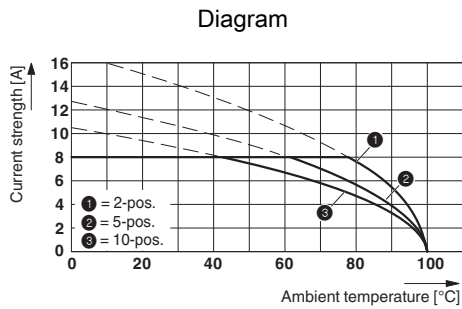
# Printed-circuit board connector - TFMC 1,5/ 9-ST-3,5 - 1772689

## Technical data

### Environmental Product Compliance

|  |  |
|--|--|
|  | No hazardous substances above threshold values |
|--|--|

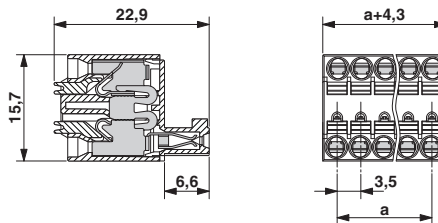
## Drawings



Derating curve for: TFMC 1,5/...-ST-3,5 with MCV 1,5/...-G-3,5

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

### Dimensional drawing



## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

|                    |  |   |                |
|--------------------|--|---|----------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60987-B1B2 |
| Nominal voltage UN |  | 160 V   |                |

# Printed-circuit board connector - TFMC 1,5/ 9-ST-3,5 - 1772689

## Approvals

|                    |         |
|--------------------|---------|
| Nominal current IN | 8 A     |
| mm²/AWG/kcmil      | 0.2-1.5 |

|   |         |   |          |
|---|---------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |         | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40011723 |
| Nominal voltage UN                      | 160 V   |   |          |
| Nominal current IN                      | 8 A     |   |          |
| mm²/AWG/kcmil                           | 0.2-1.5 |   |          |

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

|                    |       |   |                 |
|--------------------|-------|---|-----------------|
| 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> | E60425-19920306 |
|                    | B     | C   |                 |
| Nominal voltage UN | 300 V | 50 V  |                 |
| Nominal current IN | 8 A   | 8 A   |                 |
| mm²/AWG/kcmil      | 24-16 | 24-16   |                 |

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PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>