

## Europe connectors - EC 16 TR - 3240181

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Polyamide Europe terminal strip, transparent, for connecting solid conductors and stranded conductors with ferrules with a cross section of 6 to 16 mm<sup>2</sup>

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 10 STK                                                                                                  |
| GTIN         | <br>4 046356 457866 |
| GTIN         | 4046356457866                                                                                           |

### Technical data

#### General

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Number of positions                    | 12                                                     |
| Number of levels                       | 1                                                      |
| Number of connections                  | 24                                                     |
| Nominal cross section                  | 16 mm <sup>2</sup>                                     |
| Color                                  | transparent                                            |
| Insulating material                    | PA                                                     |
| Flammability rating according to UL 94 | V2                                                     |
| Ambient temperature (operation)        | -40 °C ... 110 °C                                      |
| Maximum load current                   | 76 A (with 16 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>         | 76 A (with 16 mm <sup>2</sup> conductor cross section) |
| Nominal voltage U <sub>N</sub>         | 450 V                                                  |
| Open side panel                        | No                                                     |

#### Dimensions

|        |          |
|--------|----------|
| Width  | 25.2 mm  |
| Length | 173.9 mm |
| Height | 20.8 mm  |
| Depth  | 25.2 mm  |

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## Technical data

### Dimensions

|                    |       |
|--------------------|-------|
| Drill hole spacing | 15 mm |
| Pitch              | 15 mm |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                       | Screw connection     |
| Conductor cross section solid min.                                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 16 mm <sup>2</sup>   |
| Conductor cross section AWG min.                                                        | 14                   |
| Conductor cross section AWG max.                                                        | 6                    |
| Conductor cross section flexible min.                                                   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 16 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                              | 14                   |
| Max. AWG conductor cross section, flexible                                              | 6                    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 10 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 10 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid min.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 2.5 mm <sup>2</sup>  |
| Stripping length                                                                        | 8 mm                 |
| Screw thread                                                                            | M4                   |
| Tightening torque, min                                                                  | 1.2 Nm               |
| Tightening torque max                                                                   | 1.5 Nm               |

### Standards and Regulations

|                                        |     |
|----------------------------------------|-----|
| Connection in acc. with standard       | CUL |
| Flammability rating according to UL 94 | V2  |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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### Approvals

Ex Approvals

#### Approval details

|                                |                                                                                   |                                                                                                                                                       |              |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL 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> | FILE E 60425 |
|                                | B                                                                                 | C                                                                                                                                                     | D            |
| mm <sup>2</sup> /AWG/kcmil     | 10-6                                                                              | 10-6                                                                                                                                                  | 10-6         |
| Nominal current I <sub>N</sub> | 55 A                                                                              | 55 A                                                                                                                                                  | 55 A         |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 300 V                                                                                                                                                 | 300 V        |

|                                |                                                                                   |                                                                                                                                                       |              |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL 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> | FILE E 60425 |
|                                | B                                                                                 | C                                                                                                                                                     | D            |
| mm <sup>2</sup> /AWG/kcmil     | 10-6                                                                              | 10-6                                                                                                                                                  | 10-6         |
| Nominal current I <sub>N</sub> | 55 A                                                                              | 55 A                                                                                                                                                  | 55 A         |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 300 V                                                                                                                                                 | 300 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> |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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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>