

# EC 4 TR - Europe connectors



3240170

<https://www.phoenixcontact.com/sg/products/3240170>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Polyamide Europe terminal strip, transparent, for connecting solid conductors and stranded conductors with ferrules with a cross section of 0.5 to 4 mm<sup>2</sup>

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 3240170                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 10 pc                          |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | *****                          |
| Product key                          | BE7321                         |
| Catalog page                         | Page 558 (C-3-2019)            |
| GTIN                                 | 4046356457064                  |
| Weight per piece (including packing) | 19.97 g                        |
| Weight per piece (excluding packing) | 19.97 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | AT                             |

# EC 4 TR - Europe connectors



3240170

<https://www.phoenixcontact.com/sg/products/3240170>

## Technical data

### Product properties

|                       |                  |
|-----------------------|------------------|
| Product type          | Europe connector |
| Number of positions   | 12               |
| Pitch                 | 8.1 mm           |
| Number of connections | 24               |
| Number of rows        | 1                |

### Electrical properties

|   |        |
|---|--------|
| Maximum power dissipation for nominal condition | 1.02 W |
|---|--------|

### Connection data

|   |   |
|---|---|
| Nominal cross section   | 4 mm <sup>2</sup>                                     |
| Screw thread  | M2,6  |
| Tightening torque   | 0.4 ... 0.5 Nm  |
| Stripping length  | 5 mm  |
| Conductor cross section rigid   | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>             |
| Cross section AWG   | 20 ... 12 (converted acc. to IEC)                     |
| Conductor cross section flexible  | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>             |
| Conductor cross section, flexible [AWG]   | 20 ... 12 (converted acc. to IEC)                     |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>           |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>             |
| 2 conductors with same cross section, solid   | 0.5 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>          |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup>                                   |
| Nominal current   | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Maximum load current  | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal voltage   | 450 V (Only use secured in place.)                    |
| Nominal cross section   | 4 mm <sup>2</sup>                                     |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 16.2 mm |
| Height             | 13.4 mm |
| Depth              | 16.2 mm |
| Drill hole spacing | 8.1 mm  |
| Pitch              | 8.1 mm  |

### Material specifications

|  |             |
|--|-------------|
| Color                                  | transparent |
| Flammability rating according to UL 94 | V2          |
| Insulating material                    | PA          |

### Mechanical properties

# EC 4 TR - Europe connectors



3240170

<https://www.phoenixcontact.com/sg/products/3240170>

## Mechanical data

Open side panel

No

## Technical data

Drill hole spacing

8.1 mm

## Mounting

Mounting type

direct screw connection

# EC 4 TR - Europe connectors





3240170

<https://www.phoenixcontact.com/sg/products/3240170>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3240170>

|  <b>cUL Recognized</b><br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B  |                       |                       |                   |                             |
|  | 300 V                 | 20 A                  | 22 - 12           | -                           |
| Use group C  |                       |                       |                   |                             |
|  | 300 V                 | 20 A                  | 22 - 12           | -                           |
| Use group D  |                       |                       |                   |                             |
|  | 300 V                 | 20 A                  | 22 - 12           | -                           |

|  <b>UL Recognized</b><br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B   |                       |                       |                   |                             |
|   | 300 V                 | 20 A                  | 22 - 12           | -                           |
| Use group C   |                       |                       |                   |                             |
|   | 300 V                 | 20 A                  | 22 - 12           | -                           |
| Use group D   |                       |                       |                   |                             |
|   | 300 V                 | 20 A                  | 22 - 12           | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

# EC 4 TR - Europe connectors



3240170

<https://www.phoenixcontact.com/sg/products/3240170>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141106 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001284 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# EC 4 TR - Europe connectors



3240170

<https://www.phoenixcontact.com/sg/products/3240170>

## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 74a94a2e-a86e-4ab9-b3b6-f3d708290f81 |

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.

105 Eunos Avenue 3, #04-00

Singapore 409836

+65 6228 4900

[marketing@phoenixcontact.com.sg](mailto:marketing@phoenixcontact.com.sg)