

# EC 10 TR - Europe connectors

3240178

<https://www.phoenixcontact.com/us/products/3240178>

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Polyamide Europe terminal strip, transparent, for connecting solid conductors and stranded conductors with ferrules with a cross section of 1 to 10 mm<sup>2</sup>

## Commercial data

Item number	3240178
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE73
Product key	BE7321
GTIN	4046356457835
Weight per piece (including packing)	44.48 g
Weight per piece (excluding packing)	44.48 g
Customs tariff number	85369010
Country of origin	AT

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## Technical data

### Product properties

Product type	Europe connector
Number of positions	12
Pitch	11.5 mm
Number of connections	24
Number of rows	1

### Electrical properties

Maximum power dissipation for nominal condition	1.82 W
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### Connection data

Nominal cross section	10 mm <sup>2</sup>
Connection method	Screw connection
Screw thread	M3,5
Tightening torque	0.8 ... 1 Nm
Stripping length	7 mm
Conductor cross-section rigid	1 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Cross section AWG	16 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	1 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	16 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, rigid	0.75 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal cross section	10 mm <sup>2</sup>
Nominal current	57 A (with 10 mm <sup>2</sup> conductor cross-section)
Maximum load current	57 A (with 10 mm <sup>2</sup> conductor cross-section)
Nominal voltage	450 V (Only use up to 250 V without securing.)

### Dimensions

Width	22.2 mm
Height	17.3 mm
Depth	22.2 mm
Drill hole spacing	11.5 mm
Pitch	11.5 mm

### Material specifications

Color	transparent
Flammability rating according to UL 94	V2

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Insulating material	PA
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## Mechanical properties

### Mechanical data

Open side panel	No
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### Technical data

Drill hole spacing	11.5 mm
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## Mounting

Mounting type	direct screw connection
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## Classifications

### UNSPSC

UNSPSC 21.0	39121400
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## 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	d9e3747c-1ff8-4b50-9de4-fbb0a312592e

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