

EC 10 TR - Europe connectors

3240178

<https://www.phoenixcontact.com/sg/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 mm²

Commercial data

Item number	3240178
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE7321
Catalog page	Page 559 (C-3-2019)
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

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

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
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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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3240178>

 cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	50 A	14 - 8	-
Use group C	300 V	50 A	14 - 8	-
Use group D	300 V	50 A	14 - 8	-

 UL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	50 A	14 - 8	-
Use group C	300 V	50 A	14 - 8	-
Use group D	300 V	50 A	14 - 8	-

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0

27141106

ETIM

ETIM 8.0

EC001284

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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