

EC 10 BK - Europe connectors

3240177

<https://www.phoenixcontact.com/us/products/3240177>

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Polypropylene Europe terminal strip, black, for connecting solid conductors and stranded conductors with and without ferrules with a cross section of 1 to 10 mm²

Commercial data

Item number	3240177
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	BE73
Product key	BE7321
GTIN	4046356457828
Weight per piece (including packing)	43.09 g
Weight per piece (excluding packing)	43.09 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 ²
Connection method	Screw connection
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)	1.5 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1.5 mm ² ... 4 mm ²
2 conductors with same cross section, rigid	1 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible	1.5 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 ... 1.5 mm ²
Nominal cross section	10 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.)

Dimensions

Width	17.3 mm
Height	23.4 mm
Depth	17.3 mm
Drill hole spacing	11.5 mm
Pitch	11.5 mm

Material specifications

Color	black
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Flammability rating according to UL 94	-
Insulating material	PP

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, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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