

# EC 16 BK - Europe connectors



3240180

<https://www.phoenixcontact.com/us/products/3240180>

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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 1.5 to 16 mm<sup>2</sup>

## Commercial data

Item number	3240180
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE73
Product key	BE7321
GTIN	4046356457859
Weight per piece (including packing)	74.18 g
Weight per piece (excluding packing)	74.18 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	15 mm
Number of connections	24
Number of rows	1

### Electrical properties

Maximum power dissipation for nominal condition	2.43 W
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### Connection data

Nominal cross section	16 mm <sup>2</sup>
Connection method	Screw connection
Screw thread	M4
Tightening torque	1.2 ... 1.5 Nm
Stripping length	8 mm
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross section AWG	14 ... 6 (converted acc. to IEC)
Conductor cross-section flexible	2.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	14 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, rigid	2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, flexible	2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal cross section	16 mm <sup>2</sup>
Nominal current	76 A (with 16 mm <sup>2</sup> conductor cross-section)
Maximum load current	76 A (with 16 mm <sup>2</sup> conductor cross-section)
Nominal voltage	450 V

### Dimensions

Width	20.7 mm
Height	25 mm
Depth	20.7 mm
Drill hole spacing	15 mm
Pitch	15 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	15 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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### EF3.1 Climate Change

CO2e kg	0.1 kg CO2e
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