

## Europe connectors - EC 6 BK - 3240173

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Polypropylene Europe terminal strip, black, for connecting solid conductors and stranded conductors with and without ferrules with a cross section of 0.75 to 6 mm<sup>2</sup>

### Your advantages

- ✓ The polypropylene insulating housing enables individual positions to be disconnected simply by twisting and without the need for tools
- ✓ The high-quality metal parts, which feature corrosion-resistant surfaces, are fixed securely in the housing
- ✓ The prismatic clamping part facilitates conductor entry and reliable contact can be established even for conductors without ferrules

RoHS

### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 046356 457804
GTIN	4046356457804
Weight per Piece (excluding packing)	25.370 g
Custom tariff number	85369010
Country of origin	Austria

### Technical data

#### General

Number of positions	12
Number of levels	1
Number of connections	24
Nominal cross section	6 mm <sup>2</sup>
Color	black
Insulating material	PP
Flammability rating according to UL 94	-
Ambient temperature (operation)	-40 °C ... 80 °C
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)

## Europe connectors - EC 6 BK - 3240173

### Technical data

#### General

Nominal current $I_N$	41 A (with 6 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	450 V (Only use up to 250 V without securing.)
Open side panel	No

#### Dimensions

Width	18.9 mm
Length	116.5 mm
Height	14.9 mm
Depth	18.9 mm
Drill hole spacing	10 mm
Pitch	10 mm

#### Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	18
Conductor cross section AWG max.	10
Conductor cross section flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	18
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
Stripping length	6 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

#### Standards and Regulations

# Europe connectors - EC 6 BK - 3240173

## Technical data

### Standards and Regulations

Flammability rating according to UL 94	-
--	---

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Classifications

### eCl@ss

eCl@ss 4.0	27141106
eCl@ss 4.1	27141106
eCl@ss 5.0	27141106
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141106
eCl@ss 8.0	27141106
eCl@ss 9.0	27141106

### ETIM

ETIM 3.0	EC001284
ETIM 4.0	EC001284
ETIM 5.0	EC001284
ETIM 6.0	EC001284

### UNSPSC

UNSPSC 6.01	30212109
UNSPSC 7.0901	27121703
UNSPSC 11	27121703
UNSPSC 12.01	27121703
UNSPSC 13.2	39121409

## Approvals

### Approvals

---

Approvals

EAC / EAC

---

Ex Approvals

---

## Europe connectors - EC 6 BK - 3240173

### Approvals

#### Approval details

EAC		7500651.22.01.00246
-----	---	---------------------

EAC		EAC-Zulassung
-----	---	---------------