

Europe connectors - EC 10 BK - 3240177

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 1 to 10 mm²

Product Features

- 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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	43.09 g
Custom tariff number	85369010
Country of origin	Austria

Technical data

General

Number of levels	1
Number of connections	24
Nominal cross section	10 mm ²
Color	black
Insulating material	PP
Flammability rating according to UL 94	-
Ambient temperature (operation)	80 °C
Maximum load current	57 A (with 10 mm ² conductor cross section)
Nominal current I _N	57 A (with 10 mm ² conductor cross section)
Nominal voltage U _N	450 V

Europe connectors - EC 10 BK - 3240177

Technical data

Dimensions

Width	17.3 mm
Length	133.8 mm
Height	23.4 mm
Depth	17.30 mm

Connection data

Connection method	Screw connection
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	8
Conductor cross section flexible min.	1 mm ²
Conductor cross section flexible max.	10 mm ²
Min. AWG conductor cross section, flexible	16
Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
2 conductors with same cross section, solid min.	1 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	1.5 mm ²
2 conductors with same cross section, stranded max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Stripping length	7 mm
Screw thread	M3,5
Tightening torque, min	0.8 Nm
Tightening torque max	1 Nm

Standards and Regulations

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

Europe connectors - EC 10 BK - 3240177

Classifications

eCl@ss

eCl@ss 4.0	27141106
eCl@ss 4.1	27141106
eCl@ss 5.0	27141106
eCl@ss 5.1	27141106
eCl@ss 6.0	27141106
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

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[3240177](#)