

EC 6 BK - Europe connectors

3240173

<https://www.phoenixcontact.com/us/products/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 documentation. Our general terms of use for downloads are valid.



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 mm²

Commercial data

Item number	3240173
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE73
Product key	BE7321
GTIN	4046356457804
Weight per piece (including packing)	25.37 g
Weight per piece (excluding packing)	25.37 g
Customs tariff number	85369010
Country of origin	AT

EC 6 BK - Europe connectors



3240173

<https://www.phoenixcontact.com/us/products/3240173>

Technical data

Product properties

Product type	Europe connector
Number of positions	12
Pitch	10 mm
Number of connections	24
Number of rows	1

Electrical properties

Maximum power dissipation for nominal condition	1.31 W
---	--------

Connection data

Nominal cross section	6 mm ²
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	6 mm
Conductor cross-section rigid	0.75 mm ² ... 6 mm ²
Cross section AWG	18 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.75 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG]	18 ... 10 (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 ... 2.5 mm ²
2 conductors with same cross section, rigid	0.75 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.75 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 1 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal cross section	6 mm ²
Nominal current	41 A (with 6 mm ² conductor cross-section)
Maximum load current	41 A (with 6 mm ² conductor cross-section)
Nominal voltage	450 V (Only use up to 250 V without securing.)

Dimensions

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

Material specifications

Color	black
-------	-------

EC 6 BK - Europe connectors



3240173

<https://www.phoenixcontact.com/us/products/3240173>

Flammability rating according to UL 94	-
Insulating material	PP

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Technical data

Drill hole spacing	10 mm
--------------------	-------

Mounting

Mounting type	direct screw connection
---------------	-------------------------

EC 6 BK - Europe connectors

3240173

<https://www.phoenixcontact.com/us/products/3240173>



Classifications

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

EC 6 BK - Europe connectors



3240173

<https://www.phoenixcontact.com/us/products/3240173>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.044 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com