PHŒNIX CONTACT

Europe connectors - EC 10 BK - 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

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	1 pc
Minimum order quantity	10 pc
GTIN	4 046356 457828
GTIN	4046356457828
Weight per Piece (excluding packing)	43.090 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	10 mm²
Color	black

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Technical data

General

Insulating material	PP
Flammability rating according to UL 94	-
Maximum load current	57 A (with 10 mm² conductor cross section)
Nominal current I_N	57 A (with 10 mm² conductor cross section)
Nominal voltage U_N	450 V (Only use up to 250 V without securing.)
Open side panel	No

Dimensions

Width	17.3 mm
Length	133.8 mm
Height	23.4 mm
Depth	17.3 mm
Drill hole spacing	11.5 mm
Pitch	11.5 mm

Connection data

Connection method	Screw connection
Screw thread	M3,5
Stripping length	7 mm
Tightening torque, min	0.8 Nm
Tightening torque max	1 Nm
Conductor cross section solid min.	1 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	8
Conductor cross section flexible min.	1 mm²
Conductor cross section flexible max.	10 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, solid min.	1 mm²
2 conductors with same cross section, solid max.	2.5 mm²
2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	2.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm²

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Connection data

Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	1.5 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.75 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm²

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 10.0.1	27141106
eCl@ss 11.0	27141106
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141106
eCl@ss 9.0	27141106

ETIM

ETIM 3.0	EC001284
ETIM 4.0	EC001284
ETIM 6.0	EC001284
ETIM 7.0	EC001284

UNSPSC

UNSPSC 6.01	30212109
UNSPSC 7.0901	27121703
UNSPSC 11	27121703
UNSPSC 12.01	27121703
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409

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Classifications

UNSPSC

UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

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Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.BL08.B.00534