

DC-B 6-ID-7X4-UT - Contact insert

1602203

<https://www.phoenixcontact.com/us/products/1602203>



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DUPLICON, connector contact insert, 6 x 4 mm² + PE, 400/690 V, 25 A, screw connection, type B6, IP20 protection

Commercial data

Item number	1602203
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	B10
Product key	BF7BBA
Catalog page	Page 676 (C-2-2017)
GTIN	4046356027908
Weight per piece (including packing)	54.8 g
Weight per piece (excluding packing)	54.8 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

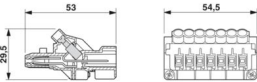
Product properties

Type	DC-B6
Product type	Contact insert with a fixed no. of positions
Number of positions	6
Connection profile	6+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	54.5 mm
Height	29.5 mm
Length	53 mm

Connection data

Connection technology

Connection technology	Screw connection
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Conductor connection

Conductor cross section	0.2 mm² ... 4 mm² (6 mm² without ferrule)
Connection cross section AWG	24 ... 12 (AWG 10 without ferrule)
Tightening torque	0.5 Nm ... 0.6 Nm
Stripping length of the individual wire	10 mm

Electrical properties

Rated voltage (III/3)	400 V (L-PE)
	690 V (L-L)
Rated surge voltage	6 kV
Rated current	25 A
	25 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Material specifications

Color	gray
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ag
Contact carrier material	PA

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 100 °C

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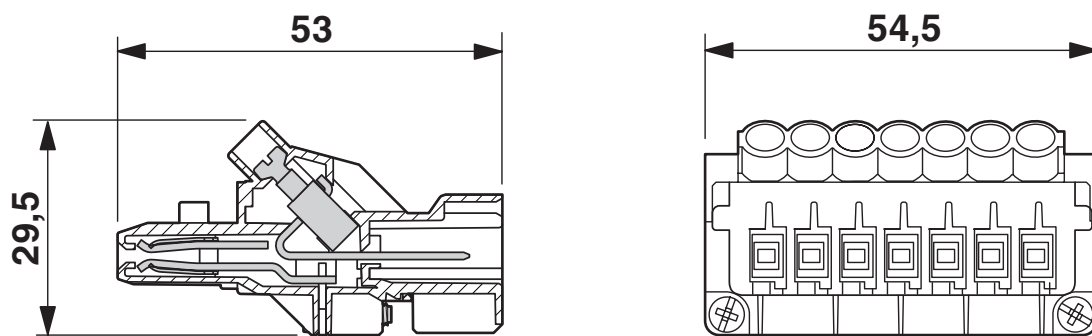
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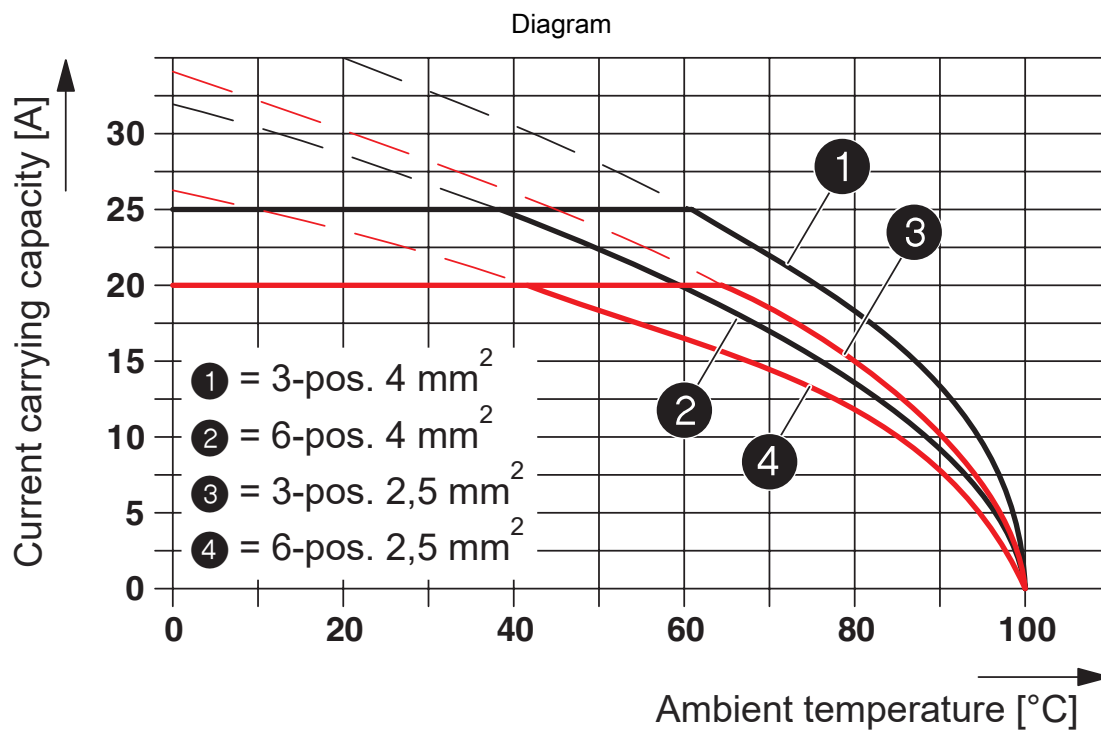


Drawings

Dimensional drawing



Dimensional drawing



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1602203>

 cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	25 A	- 12	-

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cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121522
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Environmental product compliance

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

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