

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



1581065

<https://www.phoenixcontact.com/in/products/1581065>

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DUPLICON T-box contact insert 6 x 4 mm² + PE with 2 screw connections per position, type B6



Commercial data

Item number	1581065
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	BF7
Product key	BF7BBA
Catalog page	Page 677 (C-2-2017)
GTIN	4046356154857
Weight per piece (including packing)	61.83 g
Weight per piece (excluding packing)	61.55 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

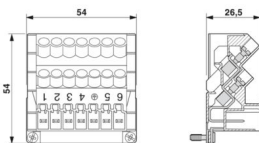
Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	54 mm
Height	26.5 mm
Length	54 mm

Connection data

Connection technology	
Connection technology	Screw connection
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	
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Insertion/withdrawal cycles	≥ 100
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Material specifications

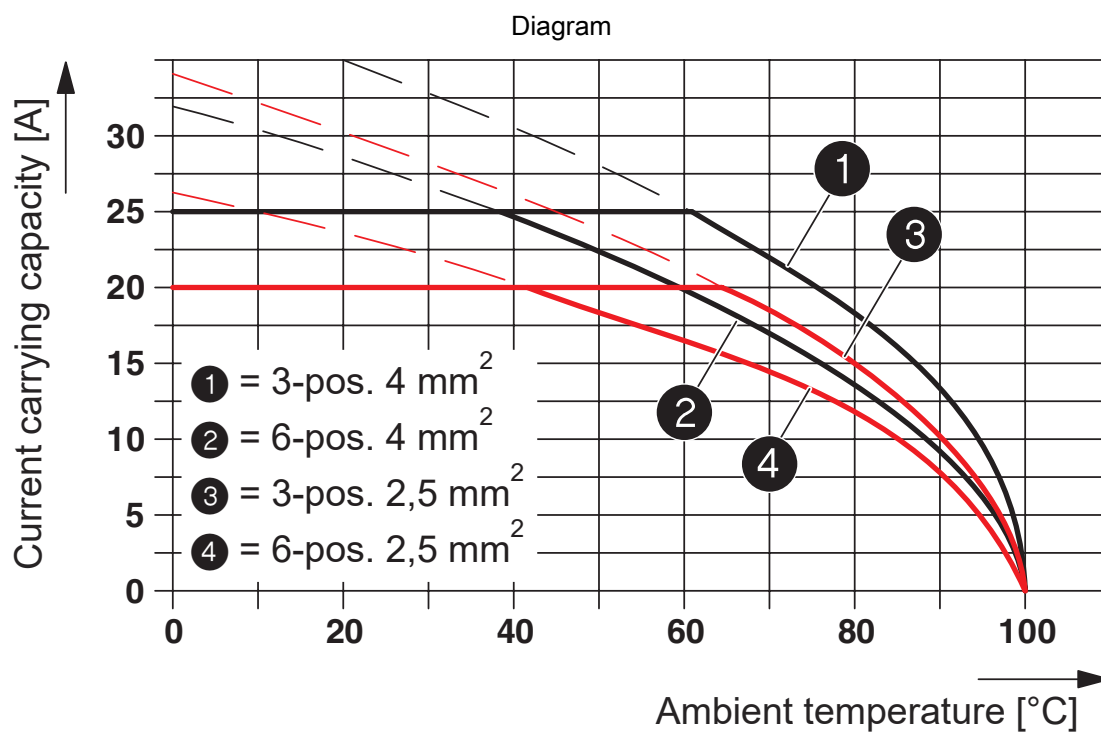
Color	gray
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ag
Contact carrier material	PA

Environmental and real-life conditions

Ambient conditions

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

Drawings



Derating diagram

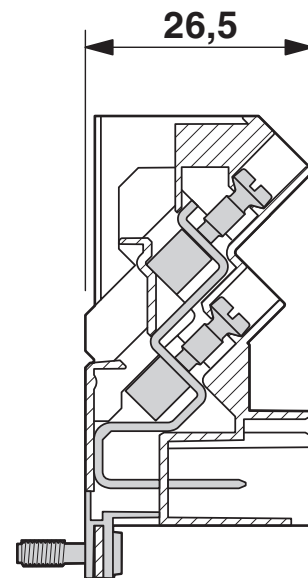
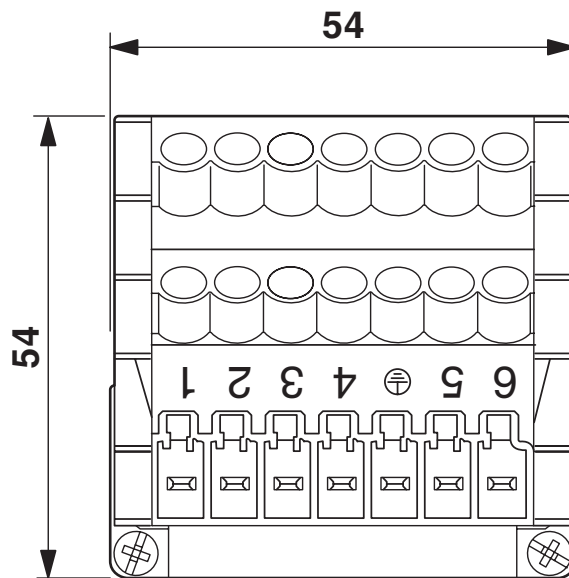
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Dimensional drawing



Dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1581065>

 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 9.0	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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