PHŒNIX CONTACT

Contact insert - HC-BB18-I-PT-M - 1014420

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Contact insert, number of positions: 18+PE, size: B10, power contacts: 18, control contacts: 0, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

Your advantages

☑ For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)

RoHS
COMPLETE line

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 492179
GTIN	4055626492179

Technical data

General

Note	for flexible conductors with or without ferrules
	Connectors may be operated only when there is no load/voltage.
Connection method	Push-in connection
Torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	18+PE
No. of power contacts	18
No. of control contacts	0
Insertion/withdrawal cycles	≥ 500
Size	B10
Contact numbering	1 - 18

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Technical data

General

Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm
Minimum housing height	72 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Standards and Regulations

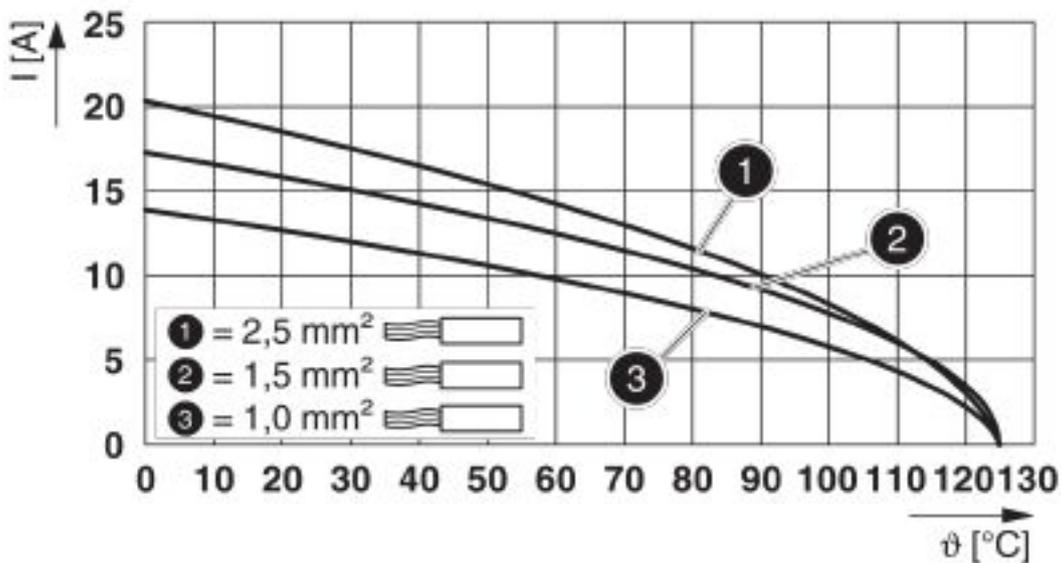| Flammability rating according to UL 94	V0
Standards/regulations	acc. to DIN EN 45545-2

Environmental Product Compliance

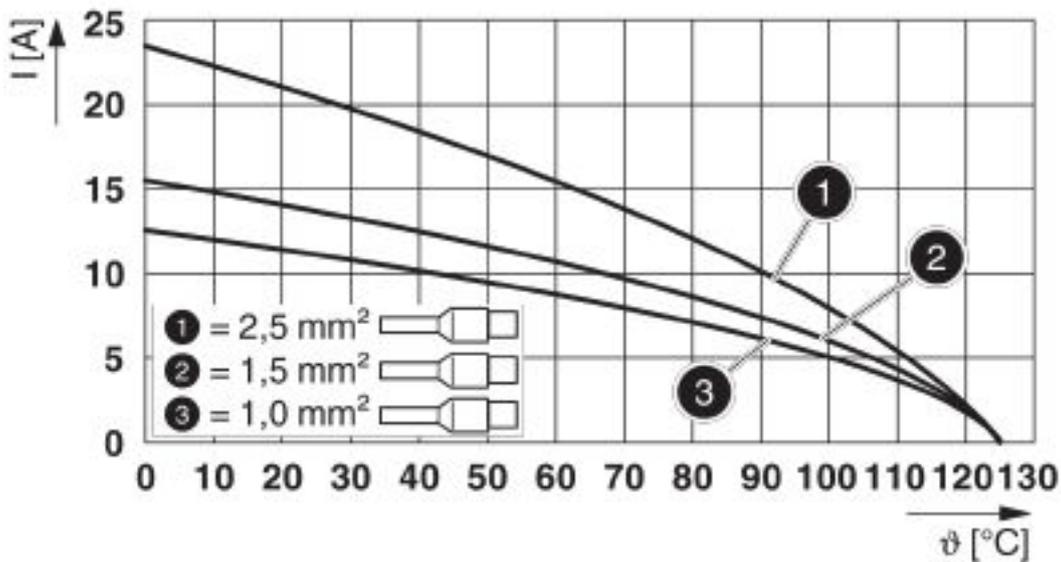| China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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Diagram

Derating diagram for flexible conductors

Diagram

Derating diagram for flexible conductors with ferrule

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 11.0	27440205

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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

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EAC / EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.AI30.B.01102

Contact insert - HC-BB18-I-PT-M - 1014420

Approvals

EAC	EAC		RU C-DE.BL08.B.00511

Accessories

Accessories

Coding element

Coding element - HC-CBU - 1676860

Coding socket for coding up to 16 connectors

Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

Coding profile - CP-HC-S - 1410916

Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...

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Accessories

Coding bolt - HC-CB - 1772722

Coding pin, prevents mismating of up to six connectors with an identical number of positions

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Crimping tool

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144

Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² … 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

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Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154

Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

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DIN rail mounting frame

DIN rail mounting frame - HC-CIF-B10-HFWL-PL - 1424335

HEAVYCON DIN rail mounting frame, for type B10 contact inserts

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DIN rail mounting frame - HC-CIF-B06-24-BFAFL-PL - 1424338

DIN rail mounting frame, type: B6 - B24, for contact inserts

Docking frame

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Accessories

Docking frames - HC-B 10-ANDOCK - 1586125

Docking frame for racks, for contact inserts of B10 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

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Mounting material

Screw - HC-B-PES - 1604997

PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326

PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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Strain relief clamp - HC-B-ZG - 1685327

Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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Strain relief clamp - HC-B-ZS - 1685330

Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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Additional products

Contact insert - HC-BB18-I-PT-M - 1014420

Accessories

Contact insert - HC-BB18-I-PT-F - 1014419

Contact insert, number of positions: 18+PE, size: B10, power contacts: 18, control contacts: 0, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power

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