

HC-A3-BUQ1,5-KML-G-PA - Connector



1641617

<https://www.phoenixcontact.com/gb/products/1641617>

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HEAVYCON QUICKON coupling housing A3, with single locking latch, 3-pos., with PE connection, socket, QUICKON connection, straight cable outlet

Commercial data

Item number	1641617
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF7AJX
Product key	BF7AJX
Catalog page	Page 505 (C-2-2019)
GTIN	4017918899370
Weight per piece (including packing)	35.7 g
Weight per piece (excluding packing)	35 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Mounting

Assembly note	This product is only intended for use outdoors.
	If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load.

Product properties

Product type	Contact insert with a fixed no. of positions
Housing type	Complete housing
Series	HC-A
Application	Standard
Type	D7
Number of positions	3
Connection profile	3+PE
Contact numbering	1 - 3
No. of cable outlets	1
Type	Socket
Shielded	no
Cable outlet	straight

Data management status

Article revision	08
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	62.8 mm
Length	26.5 mm

Connection data

Connection technology

Connection technology	IDC connection
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Conductor connection

Conductor cross section	0.75 mm² ... 1.5 mm²
Connection cross section AWG	18 ... 16
Tightening torque	3 Nm

Electrical properties

Rated surge voltage (II/2)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (III/3)	4 kV
Rated current	10 A
Rated voltage (III/3)	230 V (Conductor-PE)
	400 V (Conductor-Conductor)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	>= 500
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Material specifications

Material Housing	PA
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA/PC

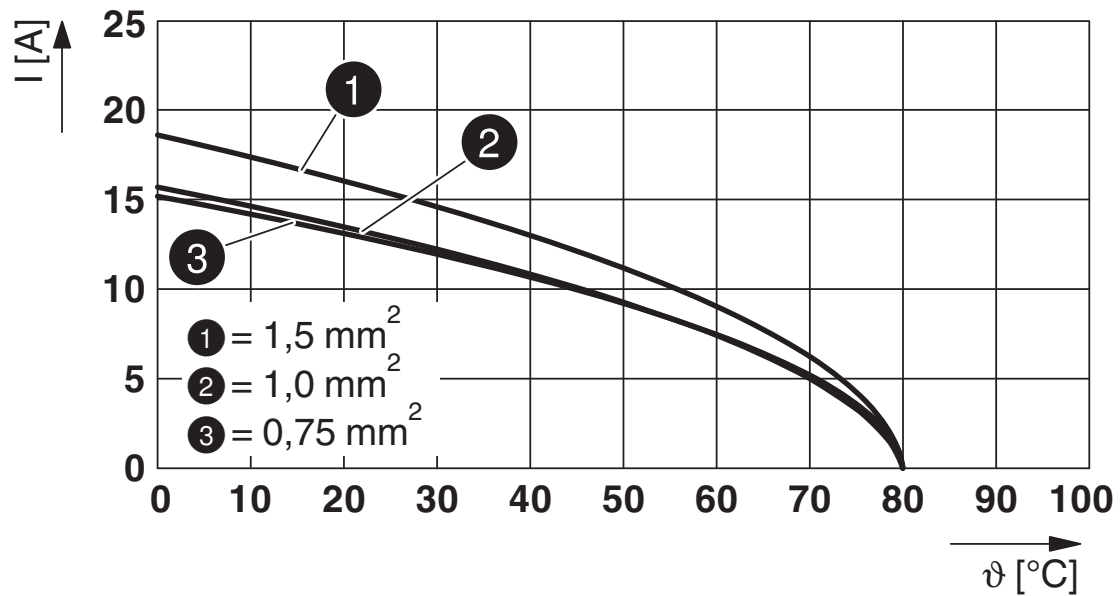
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature (storage/transport)	-25 °C ... 80 °C

Drawings

Diagram



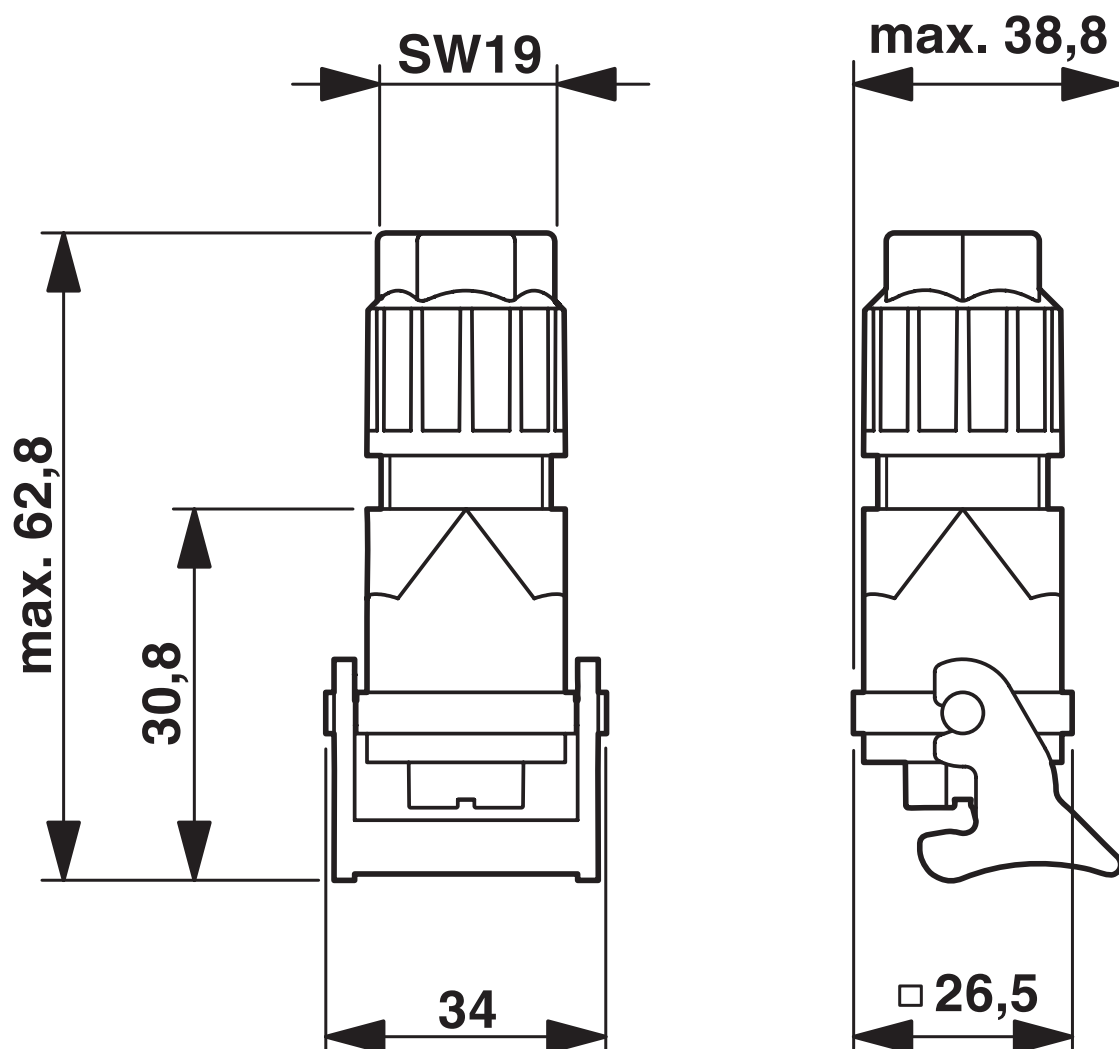
Derating diagram

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Dimensional drawing



Dimensional drawing

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Approvals

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DNV

Approval ID: TAE000037S



cUL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	10 A	18 - 16	-



UL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	10 A	18 - 16	-



EAC

Approval ID: RU C-DE.AI30.B.01102



EAC

Approval ID: EAC-Zulassung

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440113

ETIM

ETIM 9.0	EC002636
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UNSPSC

UNSPSC 21.0	39121400
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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%

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