

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



1641510

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

Commercial data

Item number	1641510
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF7
Product key	AF7AJX
GTIN	4017918889920
Weight per piece (including packing)	31.7 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Connector set
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
Shielded	no
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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 (II/2)	1000 V
rated voltage (III/2)	630 V
Rated voltage (III/3)	230 V (Conductor-PE)
	400 V (Conductor-Conductor)

Connection data

Connection method	IDC connection
Connection technology	IDC connection
Conductor cross section	0.75 mm ² ... 1.5 mm ²
	0.75 mm ² ... 1.5 mm ²
Connection cross section AWG	18 ... 16
Tightening torque	3 Nm

Dimensions

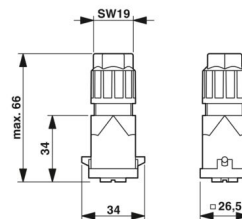
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Dimensional drawing



Width	34 mm
Height	66 mm
Length	26.5 mm

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

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 mm
External cable diameter	6 mm ... 12 mm
Wire diameter including insulation	1.8 mm ... 3 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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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

Mounting

Assembly note	<p>This product is only intended for use outdoors.</p> <p>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.</p>
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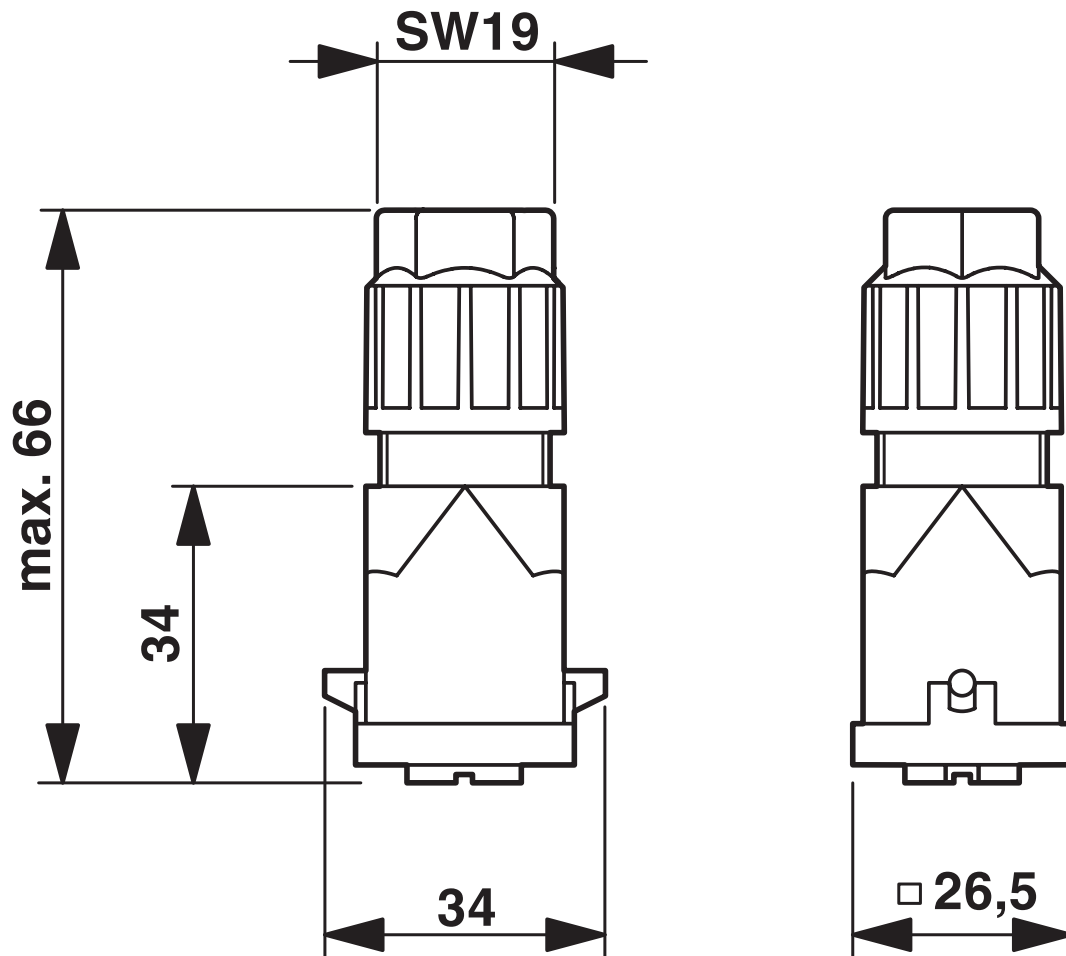
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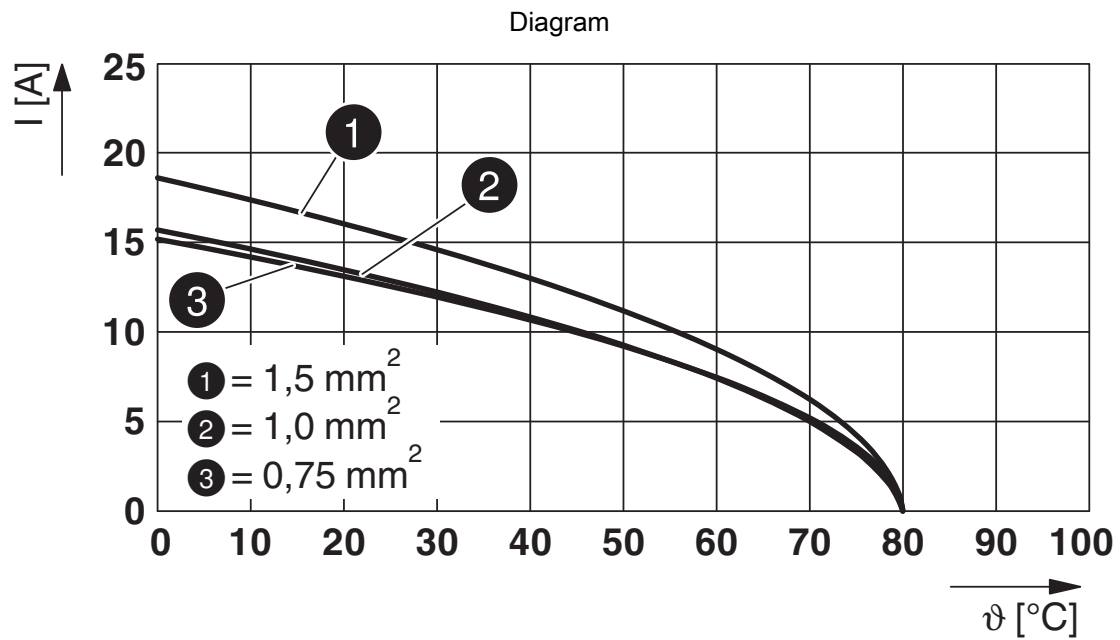


Drawings

Dimensional drawing



Dimensional drawing



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1641510>

DNV

Approval ID: TAE000037S



cUL Recognized

Approval ID: E118976

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



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EAC

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

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Classifications

ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	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
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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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EF3.0 Climate Change

CO2e kg	0.45 kg CO2e
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