

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



1641510
<https://www.phoenixcontact.com/us/products/1641510>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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	BF63
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

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



1641510

<https://www.phoenixcontact.com/us/products/1641510>

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.

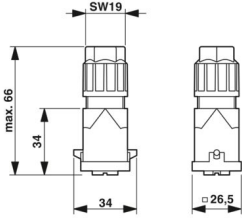
Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	66 mm
Length	26.5 mm

Connection data

Connection technology

Connection technology	IDC connection
-----------------------	----------------

Conductor connection

Conductor cross section	0.75 mm² ... 1.5 mm²
-------------------------	----------------------

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



1641510

<https://www.phoenixcontact.com/us/products/1641510>

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	>= 500
-----------------------------	--------

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

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

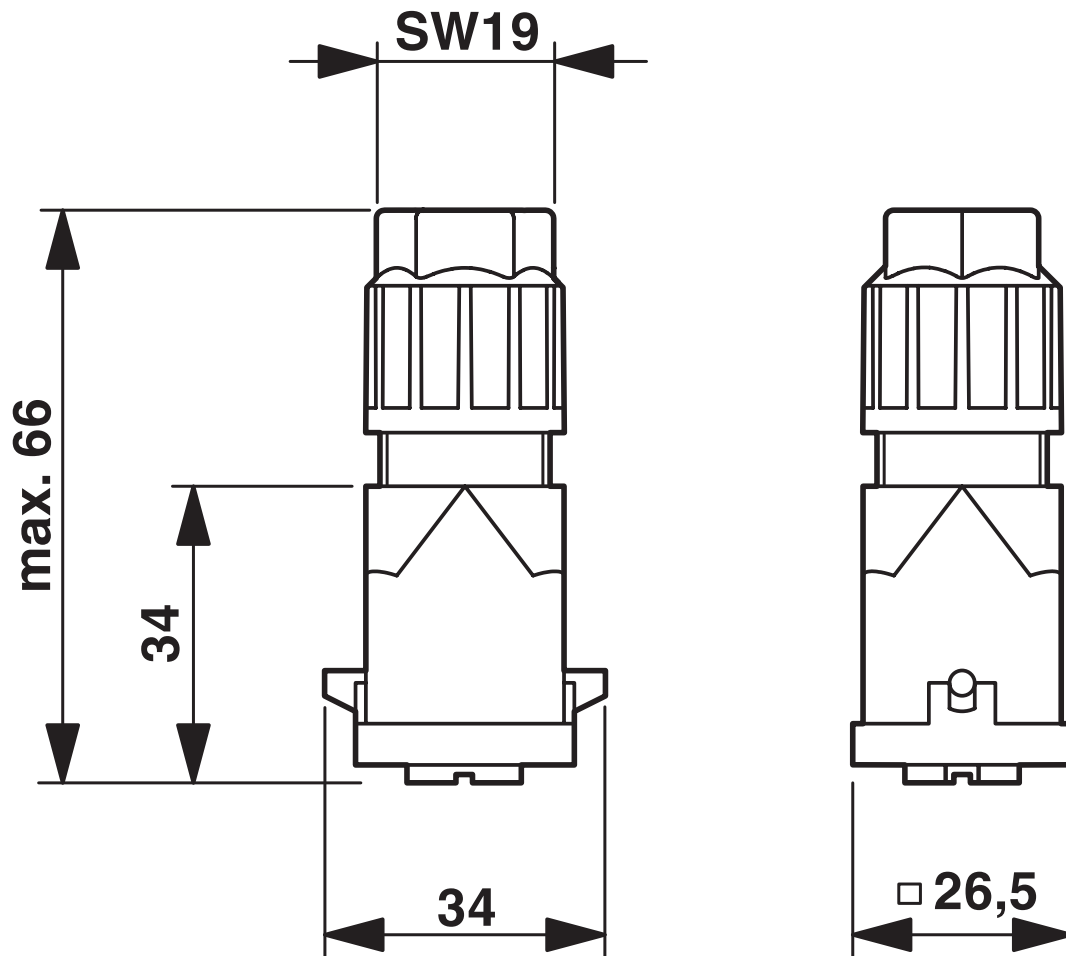
1641510

<https://www.phoenixcontact.com/us/products/1641510>



Drawings

Dimensional drawing

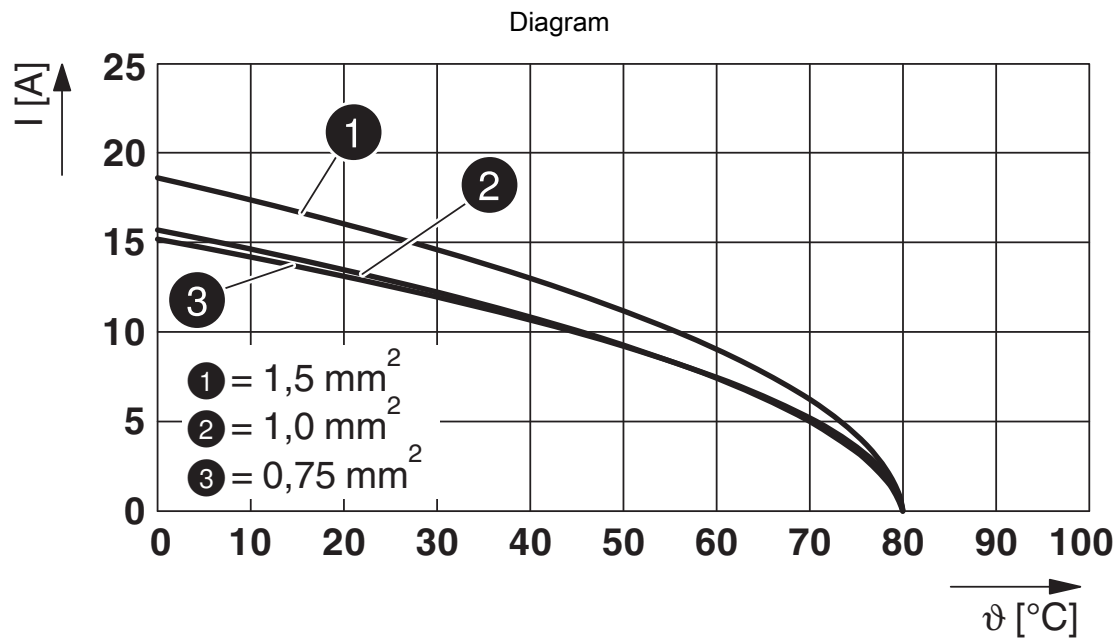


Dimensional drawing

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

1641510

<https://www.phoenixcontact.com/us/products/1641510>



Derating diagram

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



1641510

<https://www.phoenixcontact.com/us/products/1641510>

Approvals

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

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



1641510

<https://www.phoenixcontact.com/us/products/1641510>

Classifications

ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	27440113

ETIM

ETIM 9.0	EC002636
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1641510
<https://www.phoenixcontact.com/us/products/1641510>

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%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com