

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 890018
GTIN	4017918890018
Weight per Piece (excluding packing)	31.900 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Connection	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.
Type	Male
	D7
Housing type	Sleeve housing
Locking type	for single locking latch
Connection method	QUICKON connection
	QUICKON fast connection
Number of positions	3
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

Technical data

General

Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	16

Cabel

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

Ambient conditions

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

Electrical characteristics

Rated current	10 A
Note on the rated voltage (III/3)	230/400 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

Mechanical characteristics

QUICKON connectability	10 (For the same conductor cross section)
Insertion/withdrawal cycles	>= 500

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA / PC
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

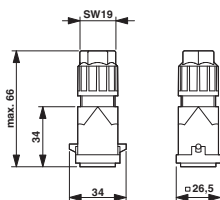
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

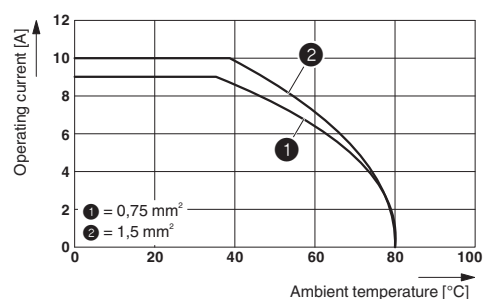
Drawings

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram: A series

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440205
eCl@ss 9.0	27440101

ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000438
ETIM 6.0	EC002636

UNSPSC

UNSPSC 6.01	30211923
-------------	----------

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

Classifications

UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / GL / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm²/AWG/kcmil	18-16		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm²/AWG/kcmil	18-16		

EAC		EAC-Zulassung
-----	---	---------------

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

Approvals

EAC			RU C- DE.AI30.B.01102
GL		http://exchange.dnv.com/tari/	6196614 HH
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

Accessories

Accessories

Cable connector

Conductor connectors - Q 1,5/4IDC/24-24KU-KU BK PE - 1642182



QUICKON cable connector, black, 3+PE-pos., 0.75 mm² ... 1.5 mm² / 500 V/15 A, for a cable diameter of 6 mm ... 12 mm.

Electronics pliers

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

Socket spanner

Connector - HC-A3-STQ1,5-TFL-G-PA - 1641581

Accessories

Socket wrench - QSS 19 - 1670895



Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm