



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	31.9 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
Number of positions	3
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm
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

Conductor

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 mm
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Technical data

Conductor

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
Pollution degree	3

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815

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Classifications

eCl@ss

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	27440205

ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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

Approvals

UL Recognized	
mm ² /AWG/kcmil	18-16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

cUL Recognized	
mm ² /AWG/kcmil	18-16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

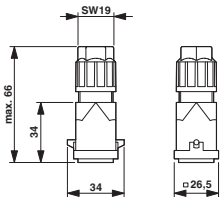
EAC

EAC

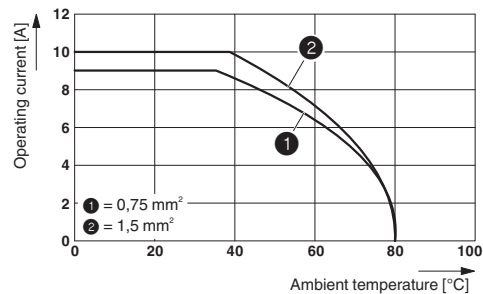
cULus Recognized

Drawings

Dimensional drawing



Diagram



Derating diagram: A series

