

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

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://download.phoenixcontact.com>)



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

Key commercial data

package_quantity	1
GTIN	4017918890001

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
Design	D7
Housing type	Coupling housings
Locking type	With 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 stranded min.	0.75 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil 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
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)	-40 °C ... 70 °C

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

Technical data

Ambient conditions

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 voltage (III/2)	320 V
Rated voltage (II/2)	630 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
Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

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	27449001

ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000437

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

classifications

UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details

UL Recognized	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	18-16

cUL Recognized	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	18-16

GOST

cULus Recognized

accessories

Socket spanner

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

accessories

QSS 19 - 1670895



Cable connector

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



accessories

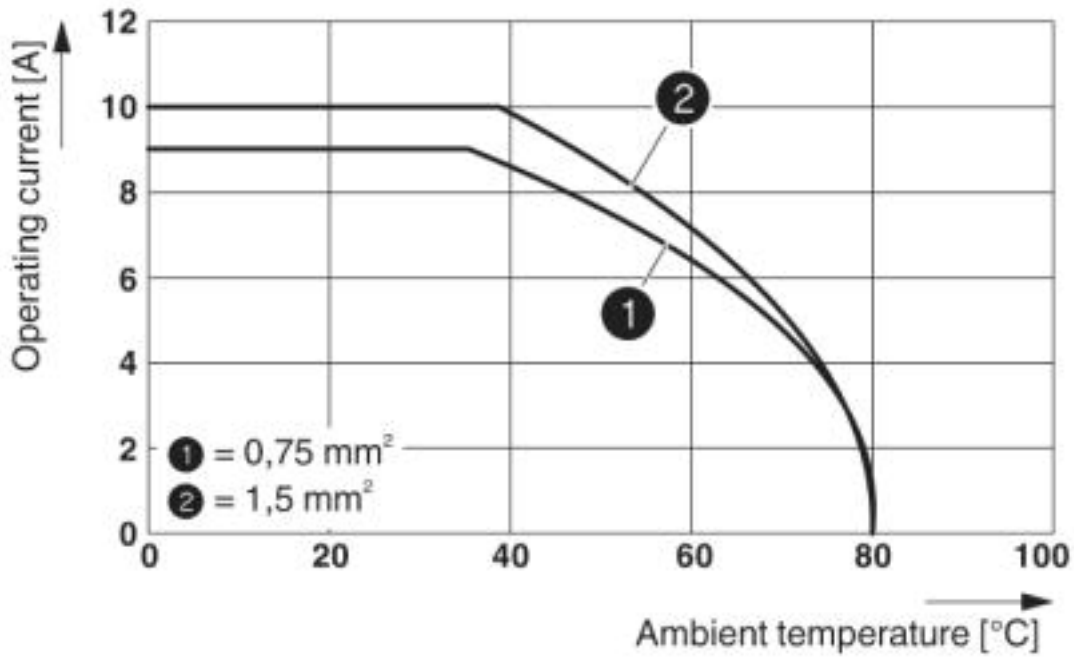
MICROFOX SC - 1205862



Drawings

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

Diagram



Derating diagram: A series

Connector - HC-A3-STQ1,5-KML-G-PA - 1641604

Dimensioned drawing

