


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

Order No.: 1641510

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1641510>

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

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 889920 |
| sales group | D442 |
| Pack | 1 pcs. |
| Customs tariff | 85369010 |
| Catalog page information | Page 421 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
04/01/2006

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Technical data

| General characteristics | |
|-------------------------|---|
| 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 | Female |
| Design | A3 |

| | |
|--|--------------------------|
| Housing type | Sleeve housings |
| Locking type | for single locking latch |
| 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 data

| | |
|---|--|
| 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 |

Environmental 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) | 250 / 400 V |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 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 | Cu alloy |
| Contact surface material | Silver-plated |
| Contact carrier material | PA / PC |
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Surge voltage category | III |
| Pollution degree | 3 |

Certificates / Approvals



Certification CUL, GOST, UL

Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

General

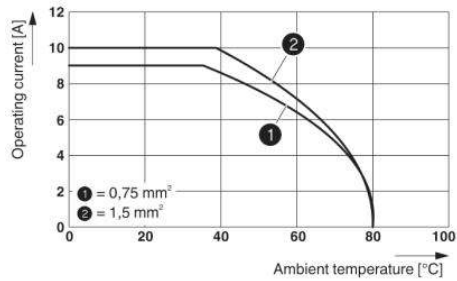
| | | |
|---------|-----------------------------|--|
| 1642182 | Q 1,5/4IDC/24-24KU-KU BK PE | QUICKON cable connector, black, 3+PE-pos., 0.75 mm ² ... 1.5 mm ² /500 V/15 A, for a cable diameter of 6 mm ... 12 mm. |
|---------|-----------------------------|--|

Tools

| | | |
|---------|-------------|---|
| 1205862 | MICROFOX SC | Diagonal cutter for Cu wire up to 1.5 mm diameter |
| 1670895 | QSS 19 | Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm |

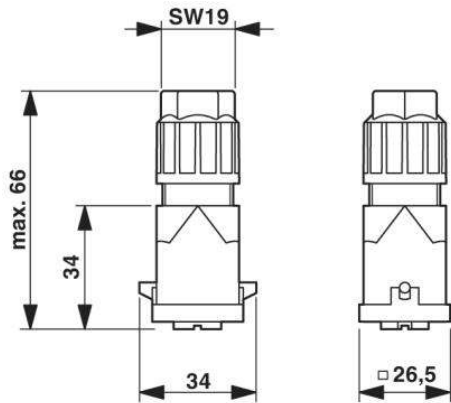
Diagrams/Drawings

Diagram



Derating diagram: HC-A3...Q1,5...

Dimensioned drawing



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