

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



1641604
<https://www.phoenixcontact.com/it/products/1641604>

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

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1641604 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF7 |
| Product key | BF7AJX |
| Catalog page | Page 505 (C-2-2019) |
| GTIN | 4017918890001 |
| Weight per piece (including packing) | 35.4 g |
| Weight per piece (excluding packing) | 35.2 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Mounting

| | |
|-----------------------|--|
| Assembly instructions | 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. |
| Connection method | IDC connection |

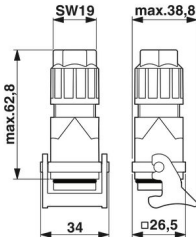
Product properties

| | |
|----------------------|--|
| Type | D7 |
| Product type | Contact insert with a fixed no. of positions |
| Number of positions | 3 |
| Connection profile | 3+PE |
| Contact numbering | 1 - 3 |
| Application | Standard |
| No. of cable outlets | 1.00 |
| Type | Male |
| Housing type | Complete housing |
| Series | HC-A |
| Shielded | no |
| Cable outlet | straight |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34 mm |
| Height | 62.8 mm |
| Length | 26.5 mm |

Connection data

Connection technology

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

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Conductor connection

| | |
|------------------------------|----------------------|
| Conductor cross section | 0.75 mm² ... 1.5 mm² |
| 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) | 630 V |
| rated voltage (III/2) | 320 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 |

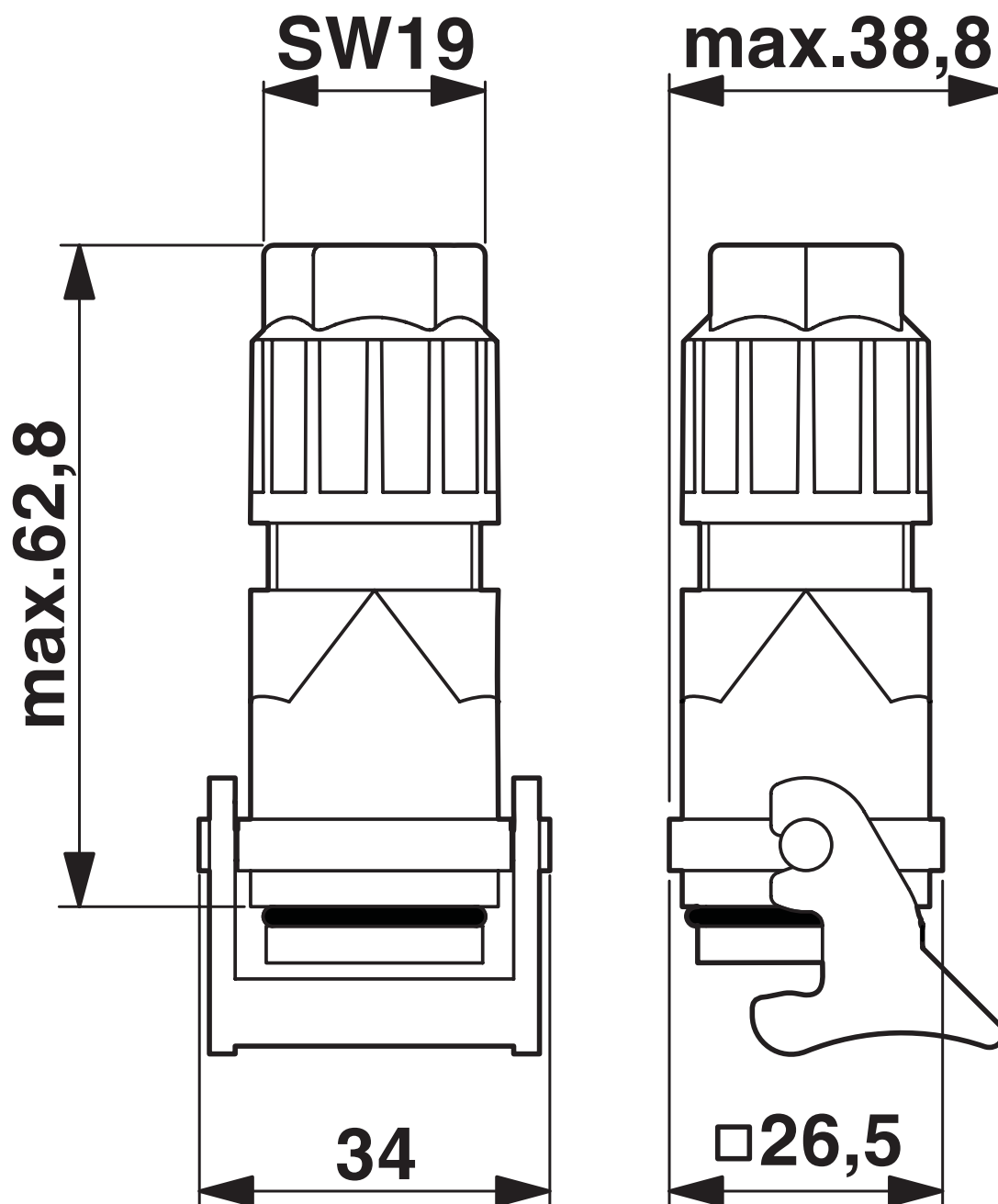
Environmental and real-life conditions

Ambient conditions

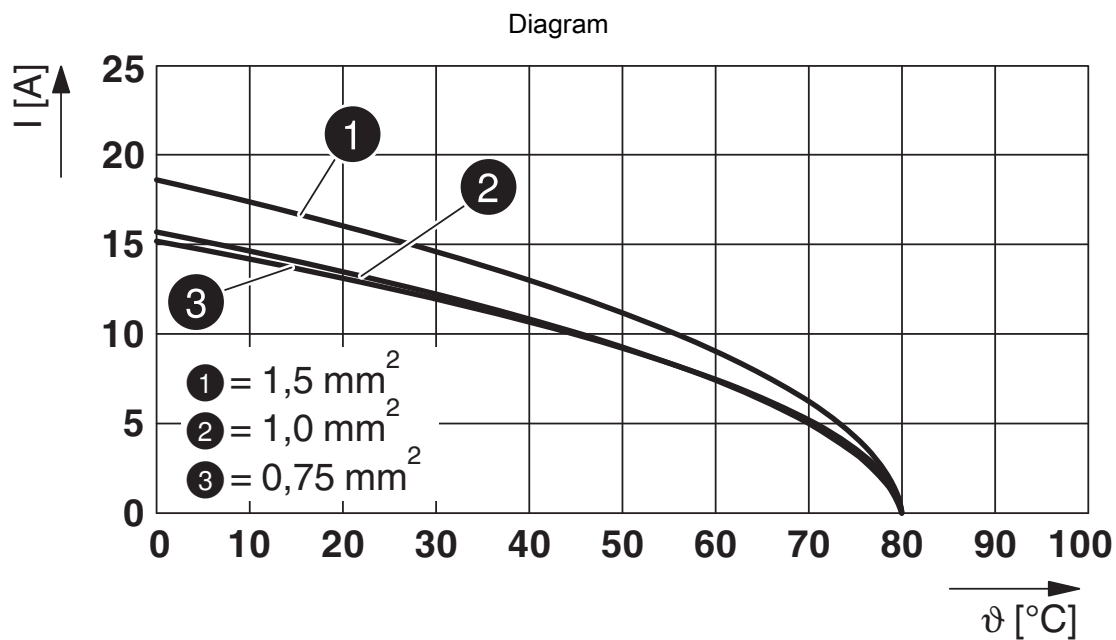
| | |
|---|--|
| Degree of protection | IP65 |
| Ambient temperature (operation) | -25 °C ... 80 °C |
| Temperature when conductor connected | -5 °C ... 50 °C (specifications of the cable manufacturer must also be observed) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

Drawings

Dimensional drawing



Dimensional drawing



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/it/products/1641604>

DNV

Approval ID: TAE000037S

| | | | | |
|--|----------------------------|--------------------------------|--------------------------------|-------------------------------|
| | cUL Recognized | | | |
| | Approval ID: FILE E 118976 | | | |
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG |
| | | 600 V | 10 A | 18 - 16 |
| | | | | Cross section mm ² |
| | | | | - |

| | | | | |
|--|----------------------------|--------------------------------|--------------------------------|-------------------------------|
| | UL Recognized | | | |
| | Approval ID: FILE E 118976 | | | |
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG |
| | | 600 V | 10 A | 18 - 16 |
| | | | | Cross section mm ² |
| | | | | - |

EAC

Approval ID: RU C-DE.AI30.B.01102

cULus Recognized

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440101 |
| ECLASS-12.0 | 27440113 |
| ECLASS-13.0 | 27440113 |

ETIM

| | |
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| ETIM 9.0 | EC002636 |
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UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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