

1641617

<https://www.phoenixcontact.com/pc/products/1641617>

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

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1641617             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | BF7AJX              |
| Catalog page                         | Page 505 (C-2-2019) |
| GTIN                                 | 4017918899370       |
| Weight per piece (including packing) | 35.7 g              |
| Weight per piece (excluding packing) | 35 g                |
| Customs tariff number                | 85366990            |
| Country of origin                    | PL                  |

# HC-A3-BUQ1,5-KML-G-PA - Connector



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## Technical data

### Mounting

|                       |                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly instructions | This product is only intended for use outdoors.<br><br>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                 | Socket                                       |
| 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 |

### Conductor connection

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|                              |                                              |
|------------------------------|----------------------------------------------|
| Conductor cross section      | 0.75 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 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 (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/PC        |

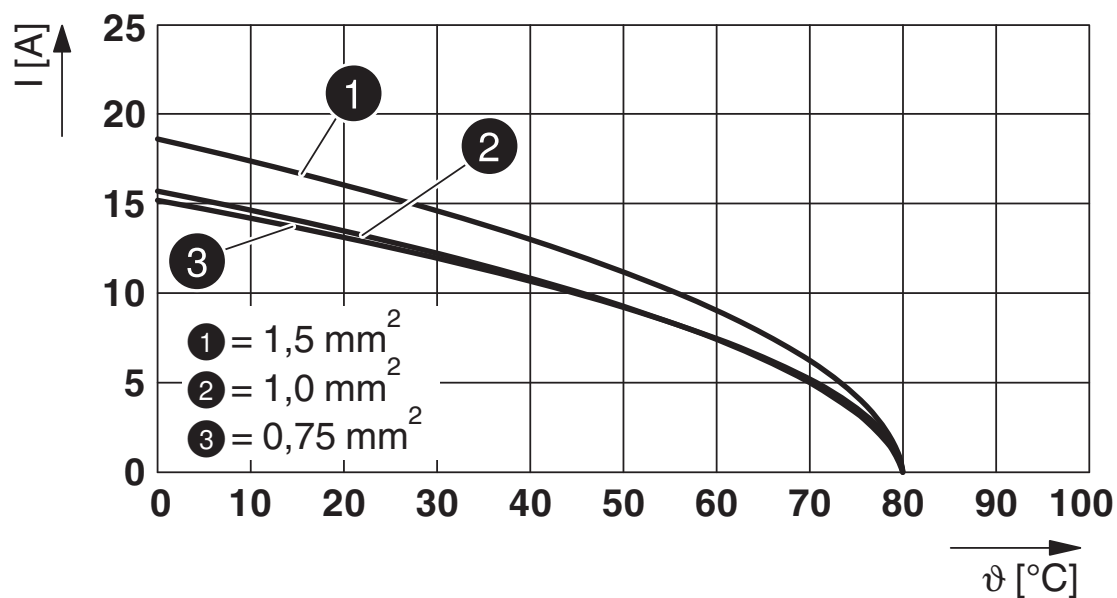
## Environmental and real-life conditions

### 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) | -25 °C ... 80 °C                                                                 |

## Drawings

Diagram



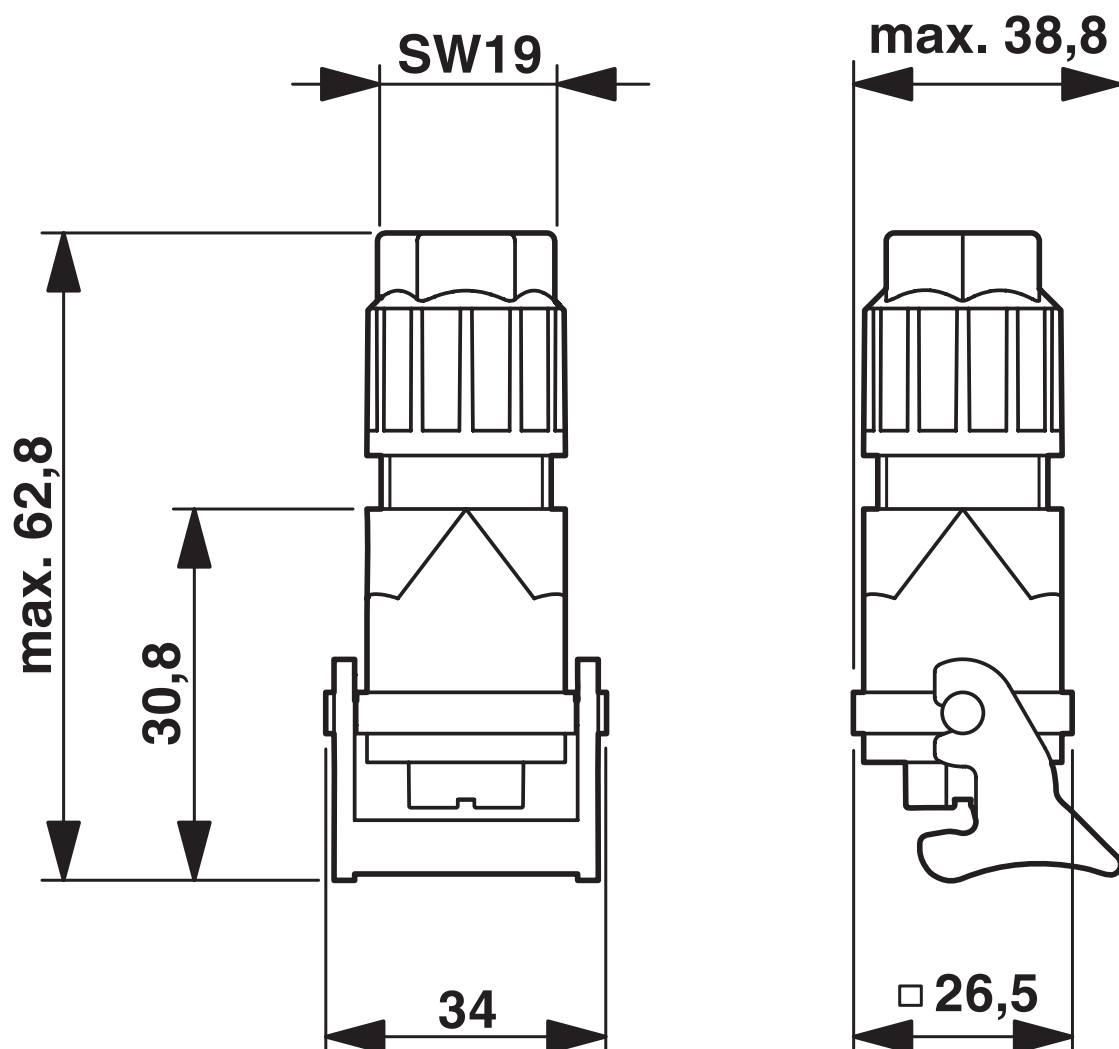
Derating diagram

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Dimensional drawing



Dimensional drawing

# HC-A3-BUQ1,5-KML-G-PA - Connector



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1641617>

**DNV**  
Approval ID: TAE000037S

|  |                                                     |                       |                   |                             |
|--|-----------------------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>cUL Recognized</b><br>Approval ID: FILE E 118976 |                       |                   |                             |
|  | Nominal voltage $U_N$                               | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 600 V                                               | 10 A                  | 18 - 16           | -                           |

|  |                                                    |                       |                   |                             |
|--|----------------------------------------------------|-----------------------|-------------------|-----------------------------|
|  | <b>UL Recognized</b><br>Approval ID: FILE E 118976 |                       |                   |                             |
|  | Nominal voltage $U_N$                              | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 600 V                                              | 10 A                  | 18 - 16           | -                           |

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

**EAC**  
Approval ID: EAC-Zulassung

**cULus Recognized**

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002636 |
|----------|----------|

### 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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