

# QPD STAS 3PE1,5 GY - Connector



1490384

<https://www.phoenixcontact.com/de/produkte/1490384>

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Connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 400 V, 16 A AC, gray, with one QUICKON nut, external cable diameter: 7 mm ... 13 mm, Connectors for the motor connection of Venetian blinds, blinds, roller shutters, and awnings

## Your advantages

- Compatible with all classic motor connections for Venetian blinds, blinds, roller shutters, and awnings
- Convenient: quick and easy assembly without special tools
- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1490384             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | D1 - Steckverbinder |
| Product key                          | BF6BBA              |
| GTIN                                 | 4063151936938       |
| Weight per piece (including packing) | 42,9 g              |
| Weight per piece (excluding packing) | 42,67 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | PL                  |

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## Technical data

### Notes

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Assembly note       | <b>NOTE:</b> Tighten the QUICKON nut all the way to the stop or to the specified torque. |
| Notes on connection | You will find notes on assembly in our assembly video.                                   |

### Product properties

|                                    |                        |
|------------------------------------|------------------------|
| Product type                       | Installation connector |
| Product family                     | QPD                    |
| Number of positions                | 4                      |
| Connection profile                 | 3+PE                   |
| Position marking                   | 1, 2, 3, PE            |
| Number of connections per position | 1                      |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 01 |
|------------------|----|

### Insulation characteristics

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

### Electrical properties

|                             |          |
|-----------------------------|----------|
| Rated surge voltage (III/3) | 6 kV     |
| Rated voltage (III/3)       | 400 V    |
| Nominal voltage $U_N$       | 400 V AC |
|                             | 250 V DC |
| Nominal current $I_N$       | 16 A AC  |
|                             | 10 A DC  |

### Connection data

#### Connection technology

|                                                                       |                |
|-----------------------------------------------------------------------|----------------|
| Connection method On the device side                                  | IDC connection |
| Frequency of connections between conductors of the same cross section | max. 10        |

#### Conductor connection

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Conductor cross section flexibel | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross section solid    | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Connection cross section AWG     | 20 ... 16                                   |
| Tightening torque Union nut      | 8 Nm                                        |

### Dimensions

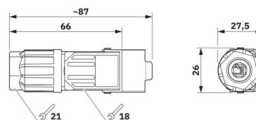
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## Dimensional drawing



|        |         |
|--------|---------|
| Width  | 27.5 mm |
| Height | 26 mm   |
| Length | 66 mm   |

## Material specifications

|                          |                       |
|--------------------------|-----------------------|
| Color                    | light gray (RAL 7035) |
| Material wire insulation | PVC/PE/TPE/rubber     |
| Contact material         | CuZn                  |
| Contact surface material | silver-plated         |
| Contact carrier material | PA                    |

## Cable/line

|                                                                             |                                           |
|-----------------------------------------------------------------------------|-------------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm        |
| External cable diameter                                                     | 7 mm ... 13 mm                            |
| Wire diameter including insulation                                          | 1.6 mm ... 3 mm                           |
| Position marking                                                            | 1, 2, 3, PE                               |
| Single wire, color                                                          | Blue 1, black 2, brown 3, green-yellow PE |

## Mechanical properties

### Mechanical data

|                             |    |
|-----------------------------|----|
| Insertion/withdrawal cycles | 50 |
|-----------------------------|----|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                   |
|-----------------------------------------|-------------------|
| Degree of protection                    | IP54              |
| Ambient temperature (operation)         | -40 °C ... 100 °C |
| Temperature when conductor connected    | -5 °C ... 50 °C   |
| Ambient temperature (storage/transport) | -40 °C ... 100 °C |

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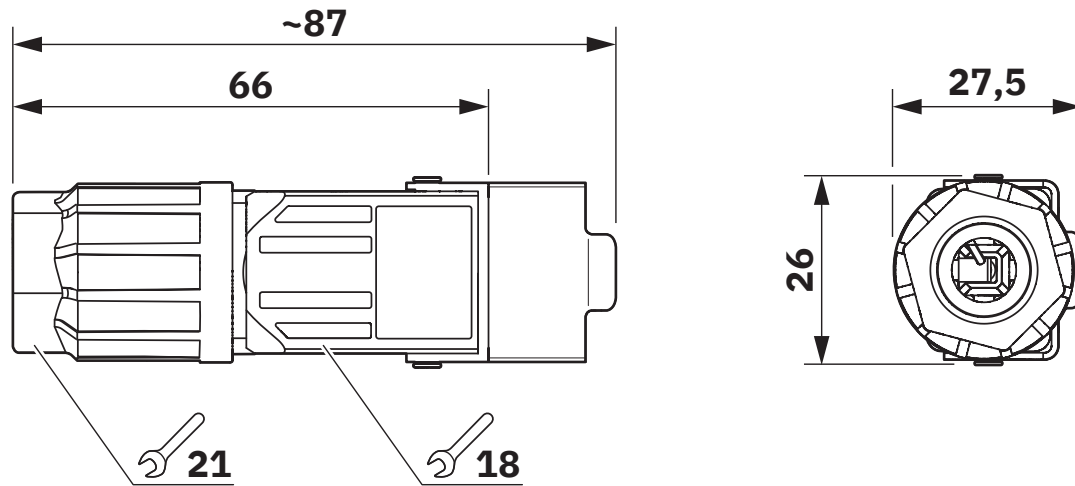
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## Drawings

Dimensional drawing



Length = 66 mm, with QUICKON nut screwed to the stop

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## Approvals

💡 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/de/produkte/1490384>



**VDE Zeichengenehmigung**

Approval ID: 40051487

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440605 |
| ECLASS-12.0 | 27440605 |
| ECLASS-13.0 | 27440605 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002560 |
|----------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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## Mandatory accessories

### QPD STAK 3PE1,5 GY - Connector

1490380

<https://www.phoenixcontact.com/de/produkte/1490380>



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## Accessories

### SEALING PLUG 10X16 RD - Closing cap

1400284

<https://www.phoenixcontact.com/de/produkte/1400284>



Closing cap, for threads pluggable, color: red



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## UNIFOX-WRENCH - Screw pliers

1212835

<https://www.phoenixcontact.com/de/produkte/1212835>



Screw pliers, with fast adjustment, for wrench size 10 mm ... 36 mm, size: 260 mm

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