

# QPD STAS 3PE1,5 GY - Connector



1490384

<https://www.phoenixcontact.com/us/products/1490384>

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Connector, 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/DC, 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
- QPD STAK/STAS can be used for electrical devices for household use in accordance with IEC 60335
- 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	BF50
Product key	AF6BBA
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

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage (III/3)	4 kV
Rated voltage (III/3)	400 V
Nominal voltage $U_N$	400 V AC/DC
Nominal current $I_N$	16 A AC/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 flexible	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

Dimensional drawing	
Width	27.5 mm

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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
	IP66/IP67 (When combined with Phoenix Contact mating connector)
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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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1490384>



**VDE Zeichengenehmigung**

Approval ID: 40051487



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## Classifications

### ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

### ETIM

ETIM 9.0	EC002560
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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/us/products/1490380>



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## Accessories

### SEALING PLUG 10X16 RD - Sealing plug

1400284

<https://www.phoenixcontact.com/us/products/1400284>

Sealing plug, for threads pluggable, color: red



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## QSS 21,5 - Socket wrench

1739906

<https://www.phoenixcontact.com/us/products/1739906>



Socket wrench, for loosening and fastening QUICKON union nuts, wrench size 21.5 mm

## UNIFOX-WRENCH - Screw pliers

1212835

<https://www.phoenixcontact.com/us/products/1212835>



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

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