

QPD STAK 3PE1,5 GY - Connector



1490380

<https://www.phoenixcontact.com/nl/products/1490380>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector, connection method: IDC connection, number of positions: 3+PE, 0.5 mm² ... 1.5 mm², 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	1490380
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF6BBA
Product key	AF6FAA
GTIN	4063151936693
Weight per piece (including packing)	36,9 g
Weight per piece (excluding packing)	22,22 g
Customs tariff number	85366990
Country of origin	DE

QPD STAK 3PE1,5 GY - Connector

1490380

<https://www.phoenixcontact.com/nl/products/1490380>



Technical data

Notes

Assembly note	NOTE: 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 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

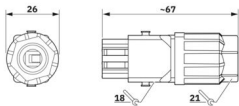
Connection technology

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

Dimensions

Dimensional drawing	
Width	27.4 mm
Height	26 mm
Length	67 mm

QPD STAK 3PE1,5 GY - Connector



1490380

<https://www.phoenixcontact.com/nl/products/1490380>

Material specifications

Color	light gray (RAL 7035)
Flammability rating according to UL 94	V0
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

QPD STAK 3PE1,5 GY - Connector

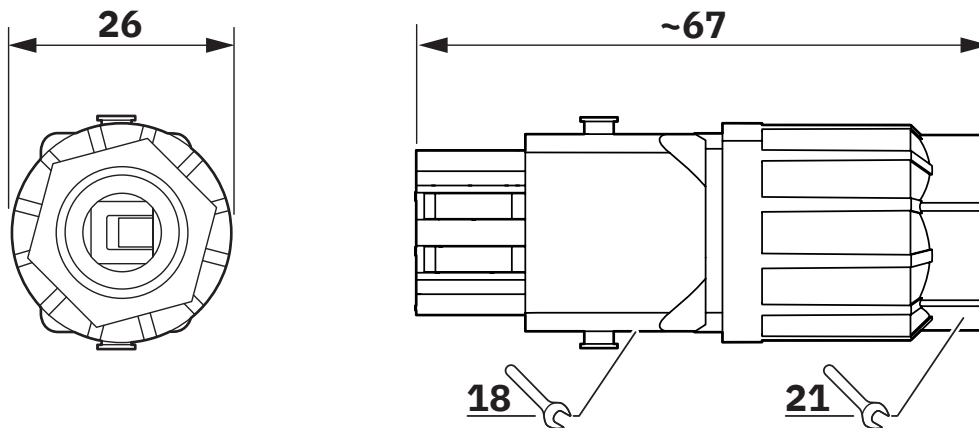
1490380

<https://www.phoenixcontact.com/nl/products/1490380>



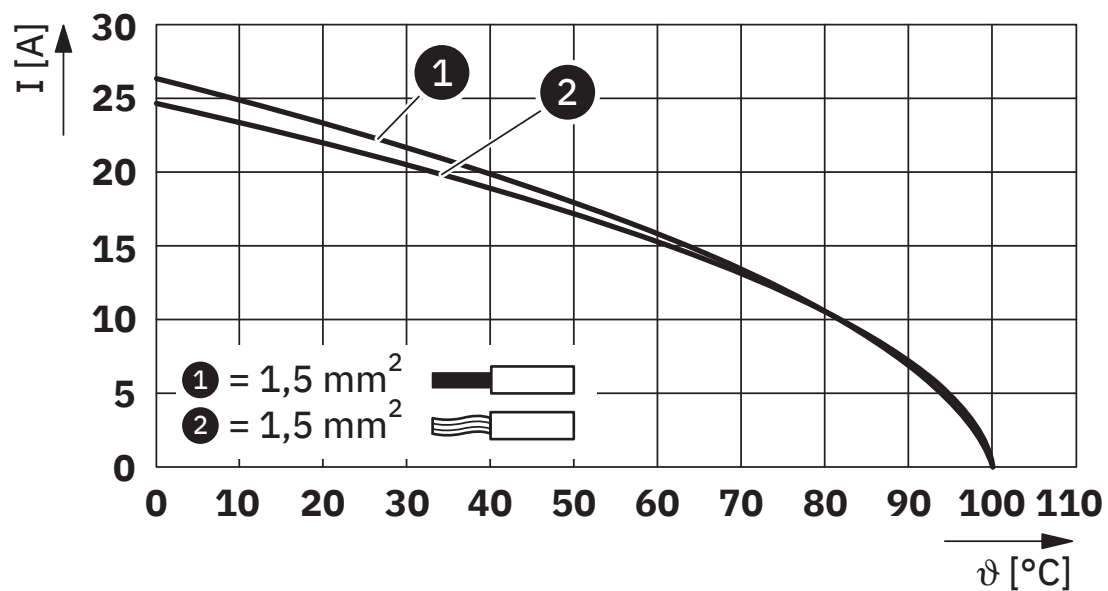
Drawings

Dimensional drawing

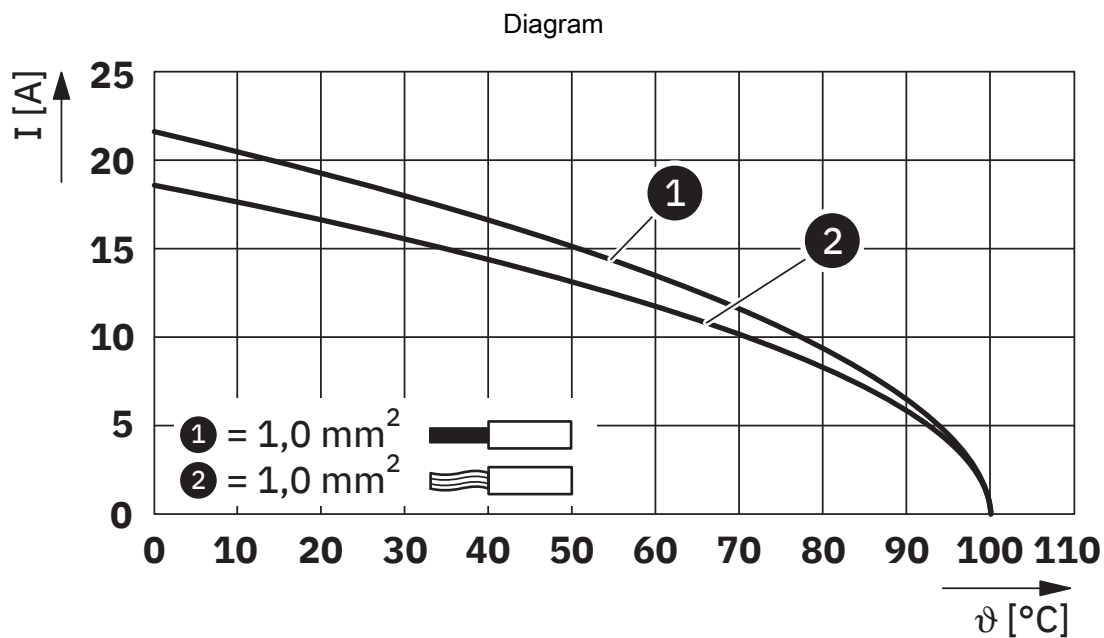


Length = 67 mm, with QUICKON nut screwed to the stop

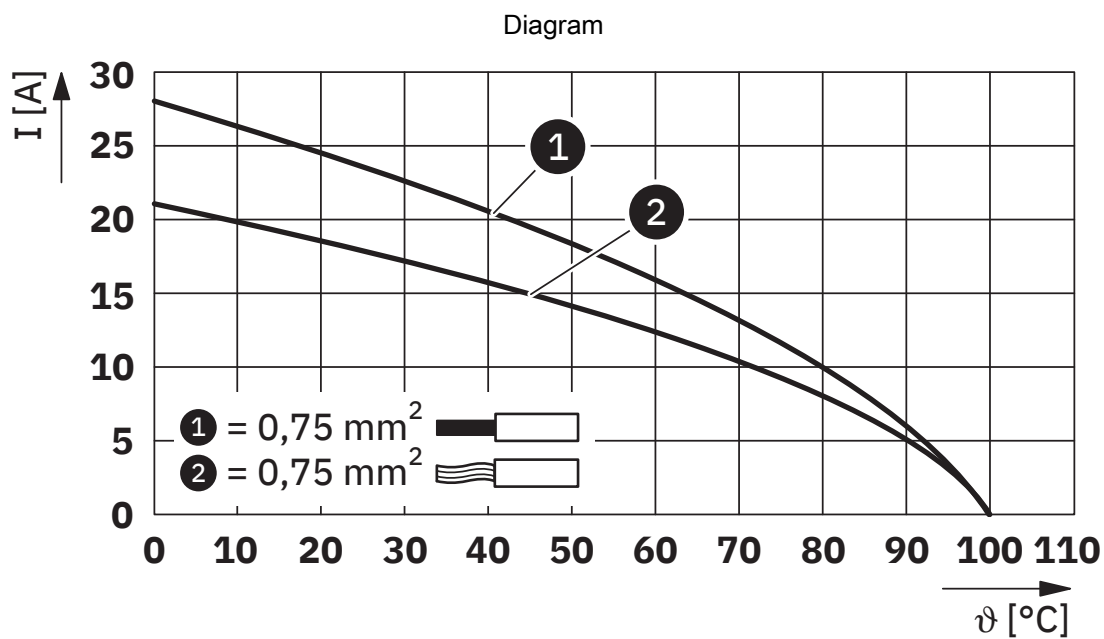
Diagram



Derating diagram for 1.5 mm²



Derating diagram for 1.0 mm²



Derating diagram for 0.75 mm²

QPD STAK 3PE1,5 GY - Connector



1490380

<https://www.phoenixcontact.com/nl/products/1490380>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1490380>



VDE Zeichengenehmigung

Approval ID: 40051487



cULus Recognized

Approval ID: E468743



VDE Zeichengenehmigung

Approval ID: 40051487

QPD STAK 3PE1,5 GY - Connector



1490380

<https://www.phoenixcontact.com/nl/products/1490380>

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 10.0	EC002560
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

QPD STAK 3PE1,5 GY - Connector



1490380

<https://www.phoenixcontact.com/nl/products/1490380>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT B.V.
Hengelder 56 6902 PA Zevenaar
Postbus 246 6900 AE Zevenaar
(0316) 59 17 20
sales@phoenixcontact.nl