

# Nut - QPD N 4PE6,0 9-14 BK - 1410409

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QUICKON nut, black, 4+PE-pos., 2.5 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>/690 V/40 A, for cables with a diameter of 9 mm ... 14 mm.

#### Why buy this product

- Innovative and time saving QUICKON fast connection for time saving of up to 80 % for on-site connection
- Convenient: quick and easy assembly without special tools
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications



### **Key Commercial Data**

Packing unit	1 STK
Custom tariff number	39269097
Country of origin	Poland

#### Technical data

#### General

Туре	QPD 5x6,0
Color	black
Connection method	QUICKON connection
	IDC connection
Number of positions	5
Note number of positions	4+PE
Wrench size, union nut	30 mm
Tightening torque, union nut	10 Nm
Number of connections	10
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

Cabel



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## Technical data

#### Cabel

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
Wire insulation material	PVC/PE/TPE/rubber
External cable diameter	9 mm 14 mm

#### Ambient conditions

Degree of protection	IP68 ()
	IP69K
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Temperature when conductor connected	-5 °C 50 °C

#### Electrical characteristics

Rated current	40 A
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

#### Mechanical characteristics

QUICKON connectability	max. 10
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#### Material data

Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

#### Standards and Regulations

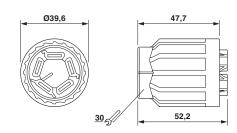
Flammability rating according to UL 94	V0

# Drawings



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#### Dimensional drawing



Dimensional drawing of QPD nut 5x6,0

### Classifications

#### eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440605

#### **ETIM**

ETIM 4.0	EC002498
ETIM 5.0	EC002560

## Approvals

Approvals

Approvals

GL / EAC

Ex Approvals

Approvals submitted

#### Approval details

GL

EAC



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