



Automatización Eléctrica
Especialistas en Automatización

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

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QUICKON nut, black, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 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
GTIN	 4 046356 929509

Technical data

General

Type	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 ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

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 (2 m / 24 h)
	IP69K

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Ambient conditions

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
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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

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Approvals

Ex Approvals

Approvals submitted

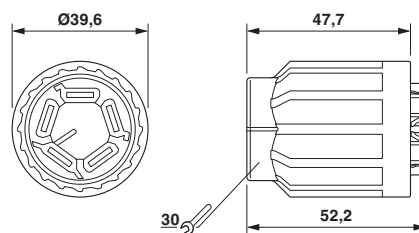
Approval details

GL

EAC

Drawings

Dimensional drawing



Dimensional drawing of QPD nut 5x6,0

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Product	Code	Reference	Product link
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