

Q 1,5-N-BK GY7035 - Connector



1403389

<https://www.phoenixcontact.com/us/products/1403389>

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QUICKON cable connector, black, 3+PE-pos., 0.75 mm² ... 1.5 mm² /500 V/15 A, for a cable diameter of 6 mm ... 12 mm.

Your advantages

- Robust throughout: housing with IP65/IP67 protection for a wide range of applications

Commercial data

Item number	1403389
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	AF6UCX
GTIN	4046356650731
Weight per piece (including packing)	9.5 g
Weight per piece (excluding packing)	9.32 g
Country of origin	DE

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Technical data

Product properties

Product type	Installation pressure nut
Number of positions	4
Connection profile	3+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	6 kV
Rated current	15 A
rated voltage (II/2)	1000 V
rated voltage (III/2)	800 V
Rated voltage (III/3)	500 V
Nominal voltage U_N	500 V
Nominal current I_N	15 A

Connection data

Connection technology

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

Conductor connection

Conductor cross-section flexibel	0.75 mm ² ... 1.5 mm ²
Conductor cross-section solid	0.75 mm ² ... 1 mm ²
Connection cross section AWG	18 ... 16
Tightening torque Union nut	3 Nm
Wrench size Union nut	19 mm
Wrench size Contact carrier	24 mm

Material specifications

Material Housing	PA
Material Contact	CuZn
Material Contact surface	tin-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE

Cable/line

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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	6 mm ... 12 mm
Wire diameter including insulation	1.8 mm ... 3 mm
Material wire insulation	PVC / PE

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Impact strength	IK06
Ambient temperature (operation)	-40 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Mounting

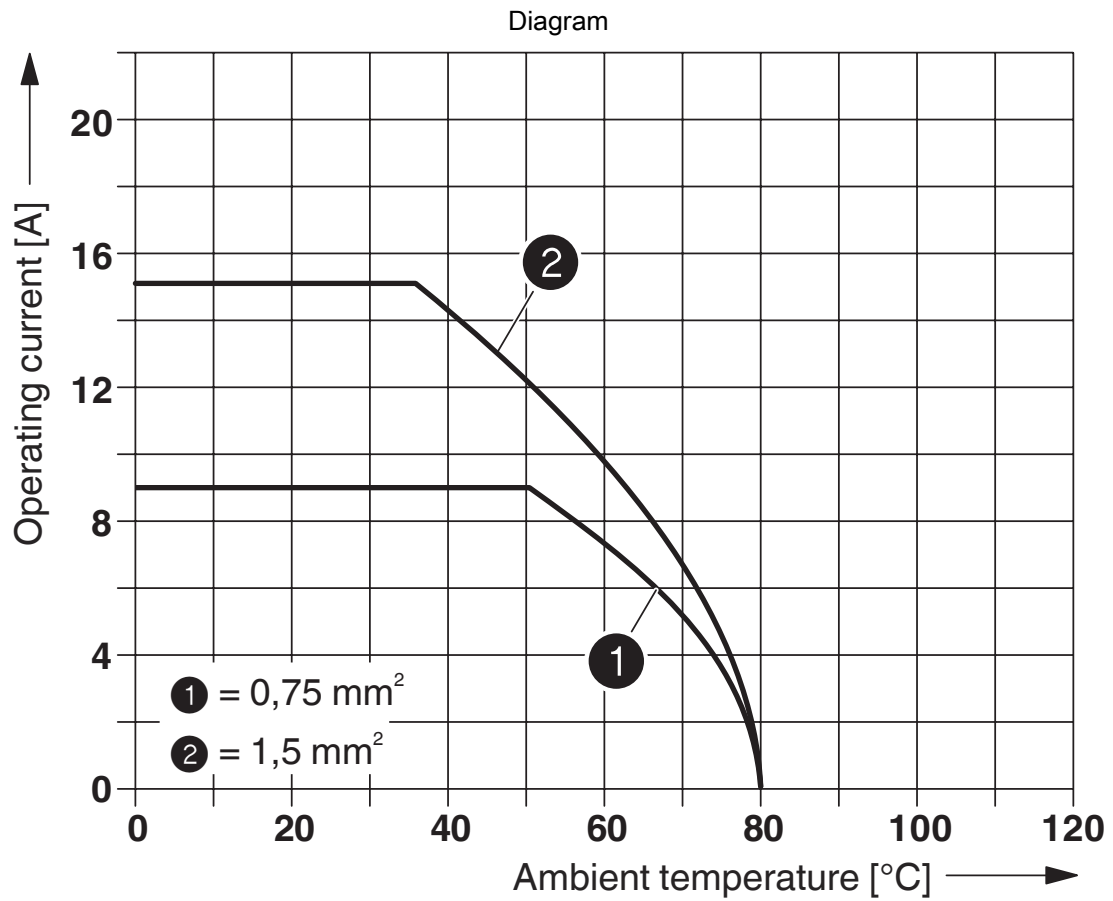
Assembly note	If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load.
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Drawings



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Classifications

ECLASS

ECLASS-13.0	27440691
ECLASS-15.0	27440691

UNSPSC

UNSPSC 21.0	39121413
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Environmental product compliance

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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