Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connector

1642182

https://www.phoenixcontact.com/us/products/1642182

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QUICKON cable connector, black, 3+PE-pos., 0.75 mm^2 ... 1.5 mm^2 /500 V/15 A, for a cable diameter of 6 mm ... 12 mm.

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP65/IP67 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

Commercial data

Item number	1642182
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	AF6HCC
GTIN	4017918951177
Weight per piece (including packing)	41 g
Weight per piece (excluding packing)	29.98 g
Customs tariff number	85366990
Country of origin	PL

Technical data

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.

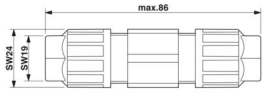
Product properties

Product type	Cable connector
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections	4
Number of connections per position	1
Coding	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	24 mm
Height	24 mm
Length	86 mm
Diameter	24 mm

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Tightening torque	3 Nm
Tightening torque Union nut	3 Nm
Wrench size Union nut	19 mm
Wrench size Contact carrier	24 mm

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
Contact resistance	≤ 5 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	800 V
Rated voltage (III/3)	500 V
Nominal voltage U_N	500 V AC
	500 V DC
Nominal current I_N	15 A

Material specifications

Color	black (RAL 9005)
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

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
Position marking	1, 2, 3, PE
Material wire insulation	PVC / PE

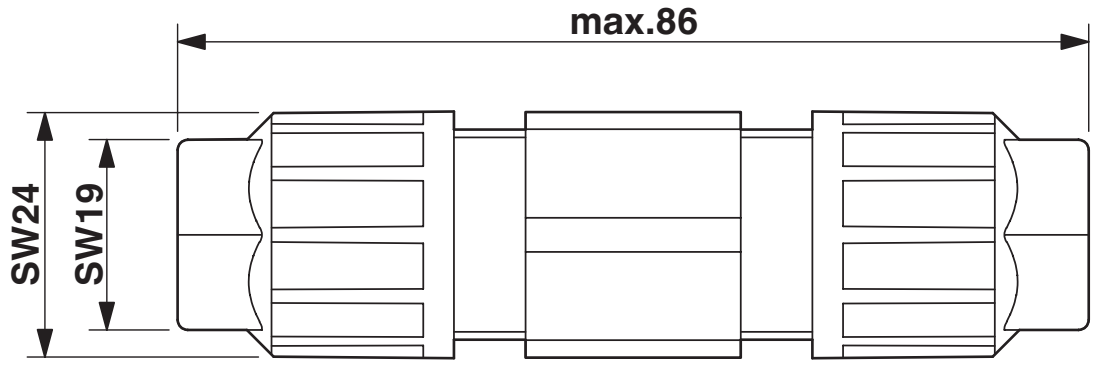
Environmental and real-life conditions

Ambient conditions

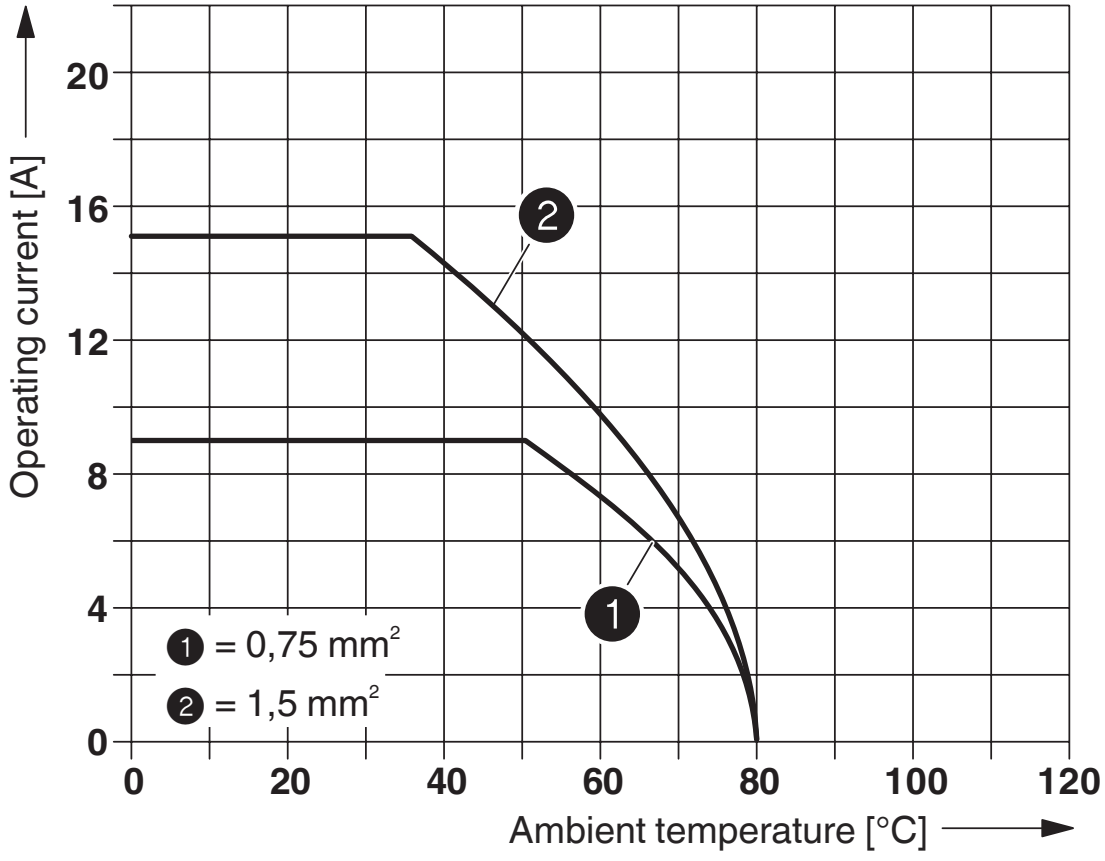
Degree of protection	IP65
	IP67
Impact strength	IK06
Ambient temperature (operation)	-40 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature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

Drawings

Dimensional drawing



Diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1642182

cUL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	11 A	-	-

UL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	15 A	-	-

EAC
Approval ID: RU C-DE.AI30.B.01102

EAC
Approval ID: RU C-DE.A*30.B.01102

VDE Zeichengenehmigung
Approval ID: 40032336

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	-	-	0.75 - 1.5

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 10.0	EC002560

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.584 kg CO2e

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