

Conductor connectors - QPD CW 3PE2,5 1X9-14 BK



1582545

<https://www.phoenixcontact.com/us/products/1582545>

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Conductor connectors, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, with one QUICKON nut, external cable diameter: 9 mm ... 14 mm, QUICKON fast connection

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 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

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Commercial Data

Item number	1582545
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B09
Product Key	BF6CBB
Catalog Page	Page 384 (C-4-2013)
GTIN	4046356552493
Weight per Piece (including packing)	60.3 g
Weight per Piece (excluding packing)	60 g
Customs tariff number	85366990
Country of origin	DE

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Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material	PA
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Housing material	PA

Connector

Insertion/withdrawal cycles	max. 50
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Cable / line

Cable structure

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	9 mm ... 14 mm (Order Quickon nuts or Quickon connectors separately)
Material wire insulation	PVC / PE / rubber / TPE
Position marking	1, 2, 3, PE
Wire diameter including insulation	2 mm ... 3.8 mm

Ambient conditions

Halogen-free	no
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Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

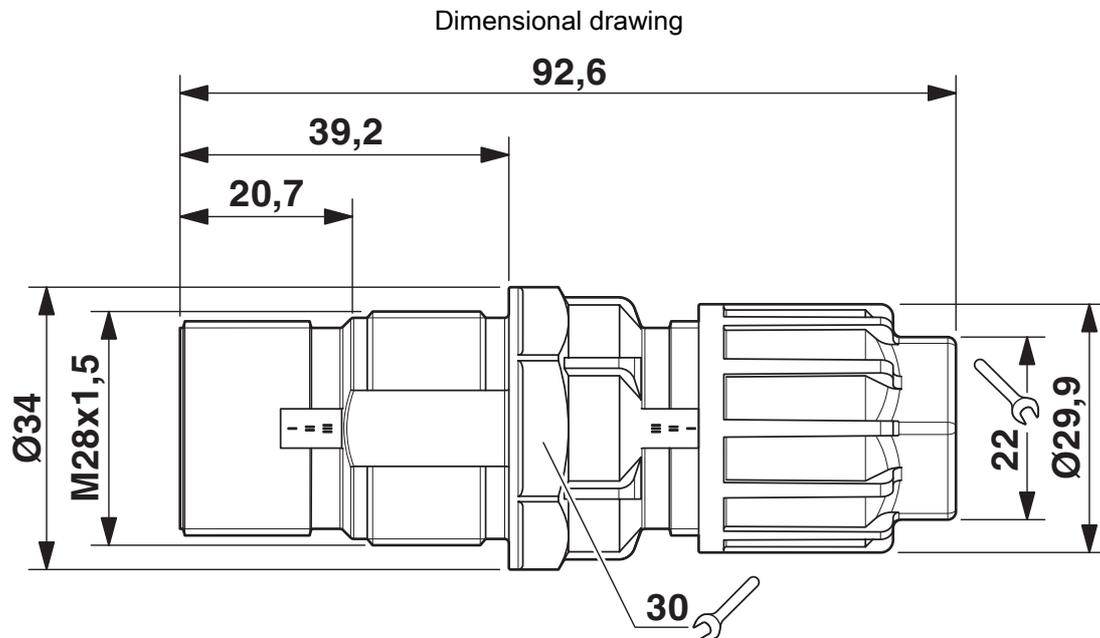
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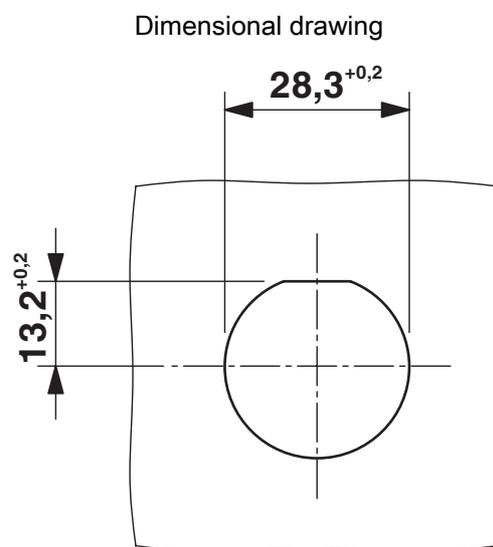
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Drawings



Dimensional drawing



Panel cutout

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Classifications

ECLASS

ECLASS-9.0	27440605
ECLASS-10.0.1	27440605
ECLASS-11.0	27440605

ETIM

ETIM 7.0	EC002560
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UNSPSC

UNSPSC 21.0	39121402
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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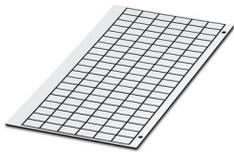
Accessories

Engraving material

Engraving material - GPE 13X 9 WH - 0806932

<https://www.phoenixcontact.com/us/products/0806932>

Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120



Socket wrench

Socket wrench - QSS 22 - 1670206

<https://www.phoenixcontact.com/us/products/1670206>

Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm



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Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

<https://www.phoenixcontact.com/us/products/1582488>

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68



Coding profile

Coding profile - CP-QPD - 1582459

<https://www.phoenixcontact.com/us/products/1582459>

Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.



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Closing cap

Closing cap - SEALING PLUG 14X22 RD - 1400270

<https://www.phoenixcontact.com/us/products/1400270>

Closing cap, material: PA, for threads pluggable, color: red



Connector

Connector - QPD P 3PE2,5 6-10 BK - 1582202

<https://www.phoenixcontact.com/us/products/1582202>

Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, external cable diameter: 6 mm ... 10 mm



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Connector

Connector - QPD P 3PE2,5 9-14 BK - 1582205

<https://www.phoenixcontact.com/us/products/1582205>

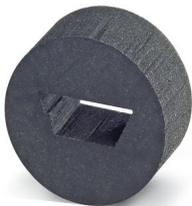


Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, external cable diameter: 9 mm ... 14 mm

Seal

Seal - KV-DI-PG16-1XASI - 1582462

<https://www.phoenixcontact.com/us/products/1582462>



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

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Seal

Seal - KV-DI-PG16-2XASI - 1582464

<https://www.phoenixcontact.com/us/products/1582464>



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

Nut

Nut - QPD N 2,5 6-10 BK - 1582226

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Nut, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, external cable diameter: 6 mm ... 10 mm

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