RF-12P2N8A90DU - Coupler connector

1607255

https://www.phoenixcontact.com/gb/products/1607255

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Coupler connector, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 13.2 mm, number of positions: 12, connection method: Crimp connection, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242253

Commercial data

Item number	1607255
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	ABRAGG
Product key	ABRAGG
Catalog page	Page 78 (PC-2011)
GTIN	4046356174817
Weight per piece (including packing)	97.97 g
Weight per piece (excluding packing)	93.697 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately

Product properties

Product type	Circular connector (cable-side)
Series	RF
Application	Feedback, signal
	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Seal material	FPM
Housing material	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact

Contact diameter	1 mm
Max. current	8 A
Nominal voltage U_N	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connector

Type	straight
Direction of rotation	Counter direction

Cable/line

External cable diameter	5 mm ... 13.2 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

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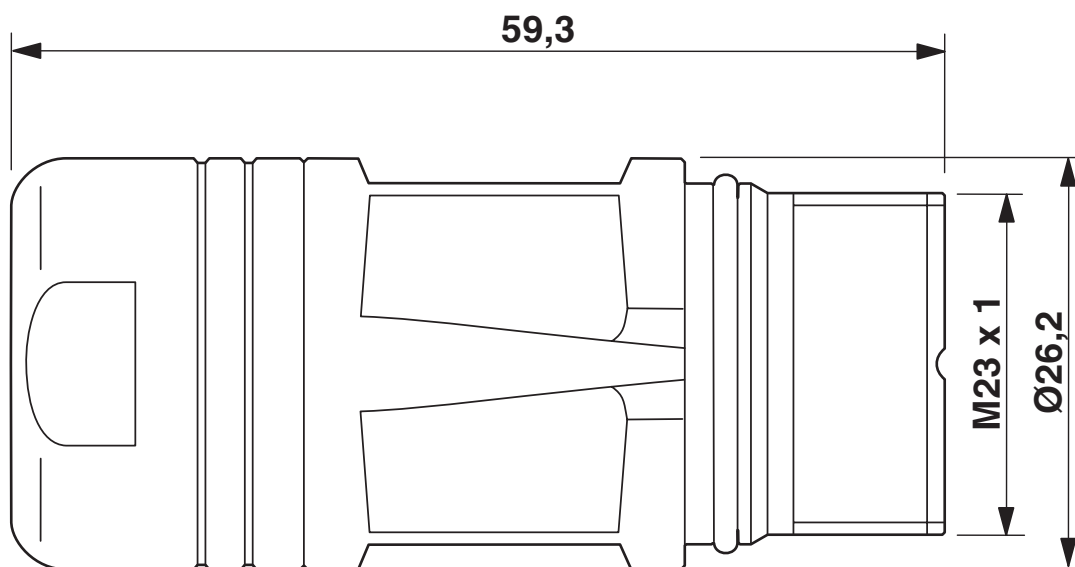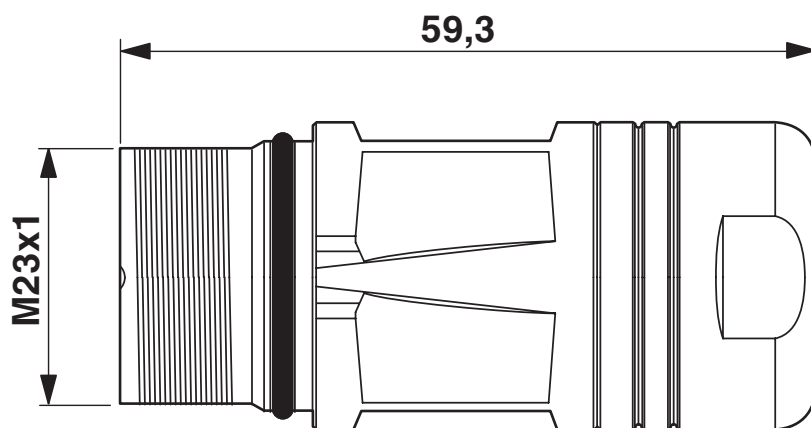https://www.phoenixcontact.com/gb/products/1607255

Drawings

Dimensional drawing

RF-12(17)...N8A90DU

Dimensional drawing

Dimensional drawing

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Schematic diagram
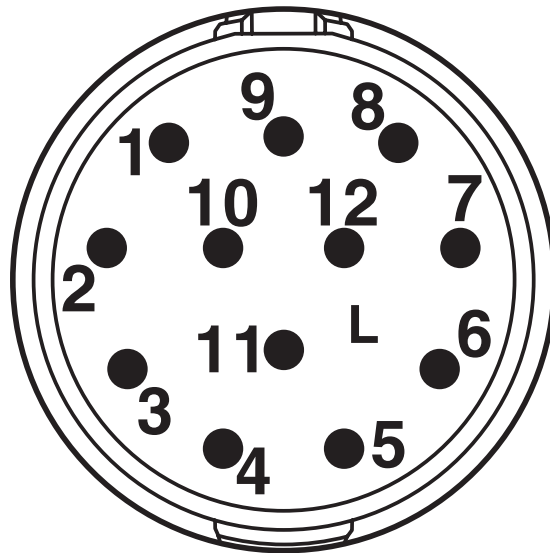
Connector pin assignment

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1607255

cUL Recognized
Approval ID: E153698-20090723

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	5 A	20	-

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Classifications

ECLASS

ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	cc4b3a3f-30f9-45bc-9e06-828530548fdf