

RF-12P2N8A80DU - Cable connector



1607252

<https://www.phoenixcontact.com/pc/products/1607252>

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Cable 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.: 1242251

Commercial data

Item number	1607252
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAGA
Catalog page	Page 78 (PC-2011)
GTIN	4046356174770
Weight per piece (including packing)	100.47 g
Weight per piece (excluding packing)	100.47 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
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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
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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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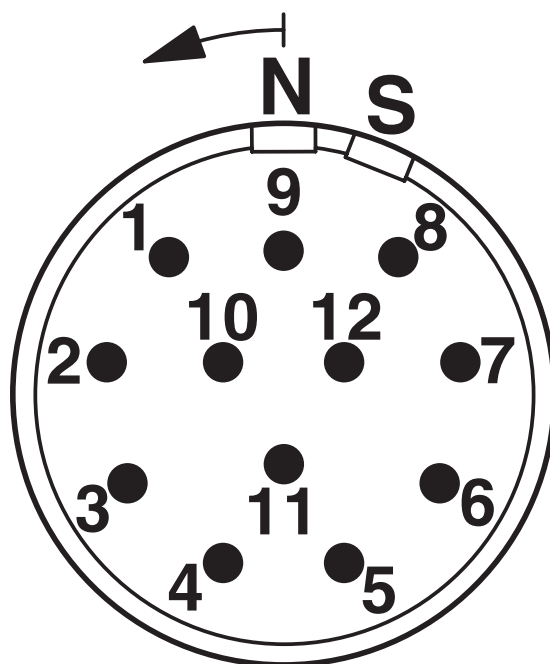
1607252

<https://www.phoenixcontact.com/pc/products/1607252>



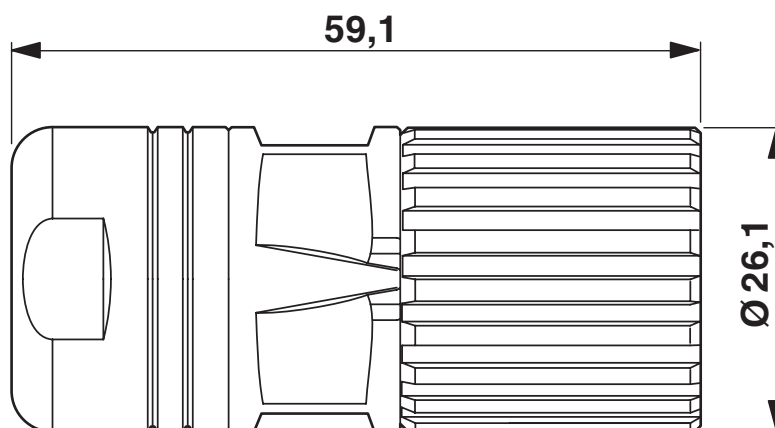
Drawings

Schematic diagram



Connector pin assignment

Dimensional drawing



Dimensional drawing, RF-12(17)...N8A80DU

RF-12P2N8A80DU - Cable connector



1607252

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1607252>

 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 - 20	-

 UL 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 - 20	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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	6a56b404-747c-4109-a6e0-44327e9b8cbc

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