

RF-16P1N8A80DU - Cable connector



1613717

<https://www.phoenixcontact.com/pc/products/1613717>

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Cable connector, straight, Screw locking mechanism, M23, number of positions: 16, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 13.2 mm, number of positions: 16, connection method: Crimp connection, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242812

Commercial data

Item number	1613717
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAGA
GTIN	4046356401807
Weight per piece (including packing)	98.75 g
Weight per piece (excluding packing)	94.35 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	Order crimp contacts Ø 1 mm separately
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Mounting

Connection method	Crimp connection
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Product properties

Product type	Circular connector (cable-side)
Number of positions	16
Connection profile	16
Application	Feedback, signal
	Signal
Series	RF
Shielded	yes
Coding	N
Thread type	M23

Material specifications

Seal material	FPM
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
Housing material	Metal

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	Standard

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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

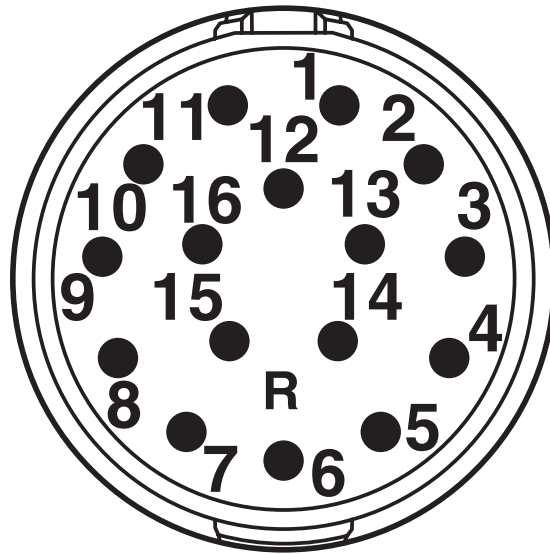
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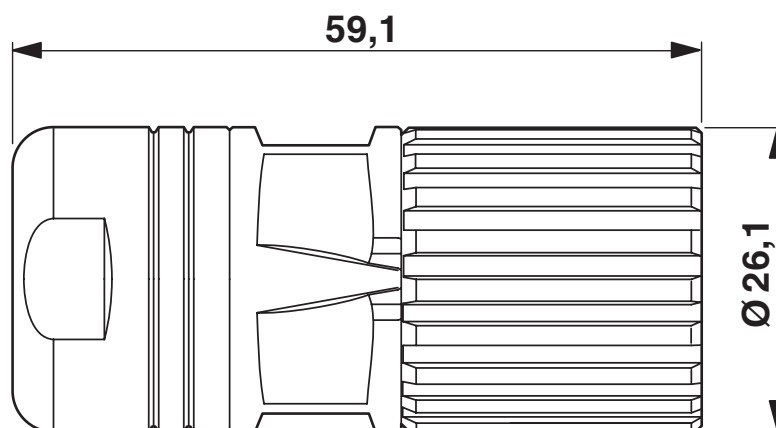
Drawings

Schematic diagram



Connector pin assignment

Dimensional drawing



Dimensional drawing

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Approvals

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 cUL Recognized Approval ID: E153698-20090723				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	1 A	- 26	-

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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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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