

# RF-17S1N8A80DU - Cable connector



1607340

<https://www.phoenixcontact.com/it/products/1607340>

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Cable connector, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm . .. 13.2 mm, number of positions: 17, connection method: Crimp connection, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242284

## Commercial data

Item number	1607340
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	ABR
Product key	ABRAGA
Catalog page	Page 78 (PC-2011)
GTIN	4046356174350
Weight per piece (including packing)	98.33 g
Weight per piece (excluding packing)	46.96 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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### Product properties

Product type	Circular connector (cable-side)
Number of positions	17
Connection profile	17
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
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### 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

### 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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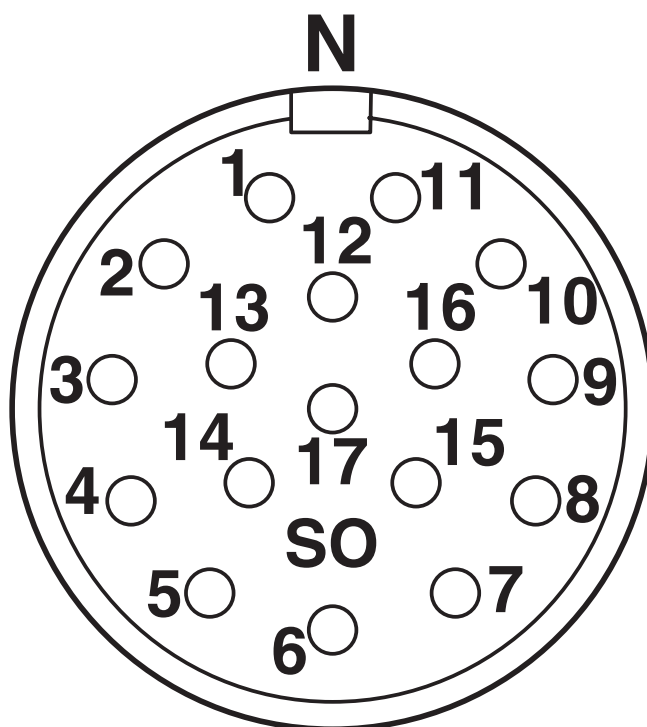
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## Drawings

Schematic diagram



Connector pin assignment

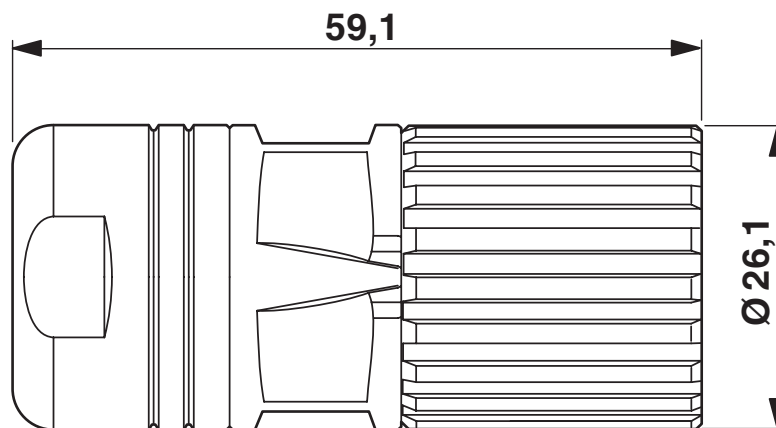
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Dimensional drawing



RF-12(17)...N8A80DU


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## Approvals

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 <b>cUL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	1 A	- 26	-

 <b>UL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	1 A	- 26	-

<b>cULus Recognized</b>				
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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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