

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Cable connector, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 6 mm . .. 10 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.: 1242265

Commercial data

Item number	1607295
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAGA
GTIN	4046356268714
Weight per piece (including packing)	98.565 g
Weight per piece (excluding packing)	50.41 g
Customs tariff number	85366990
Country of origin	DE

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Technical data

Notes

General	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	6 mm ... 10 mm
-------------------------	----------------

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

RF-12S2N8A8002 - Cable connector

1607295

<https://www.phoenixcontact.com/pc/products/1607295>



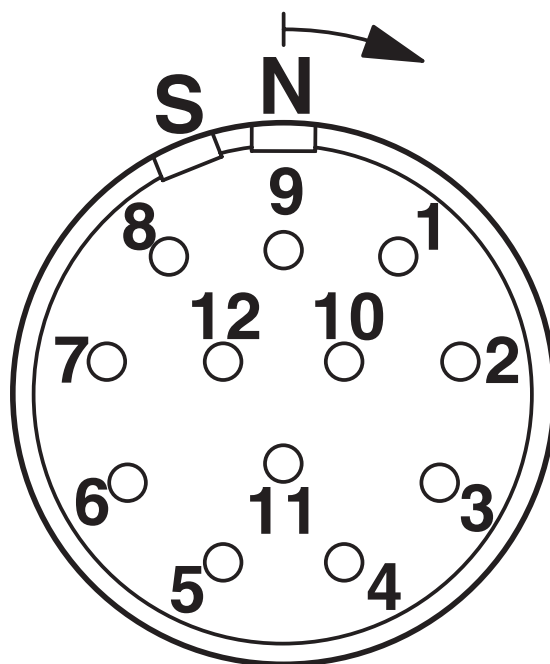
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1607295>

 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	-

 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	-

cULus Recognized				
-------------------------	--	--	--	--

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

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	f58a170e-171b-4e9e-919b-e2533b59d024

RF-12S2N8A8002 - Cable connector



1607295

<https://www.phoenixcontact.com/pc/products/1607295>

Accessories

SF-6CS2000 - Crimp contact

1605562

<https://www.phoenixcontact.com/pc/products/1605562>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

SF-10KS004 - Crimp contact

1607356

<https://www.phoenixcontact.com/pc/products/1607356>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

RF-12S2N8A8002 - Cable connector

1607295

<https://www.phoenixcontact.com/pc/products/1607295>



SF-6AS2000 - Crimp contact

1605557

<https://www.phoenixcontact.com/pc/products/1605557>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

SF-10KS010 - Crimp contact

1605481

<https://www.phoenixcontact.com/pc/products/1605481>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

RF-12S2N8A8002 - Cable connector

1607295

<https://www.phoenixcontact.com/pc/products/1607295>



SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/pc/products/1607456>

Torque screwdriver, series: RC, UC, SH, SF



SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/pc/products/1607455>

Hook wrench, series: RC, UC, RF, SF



RF-12S2N8A8002 - Cable connector

1607295

<https://www.phoenixcontact.com/pc/products/1607295>



RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/pc/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242369

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/pc/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com