

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

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.



M23, Cable connector, application: Signal, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 2 mm ... 14.5 mm, coding: N

Commercial data

Item number	1625574
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAIA
GTIN	4046356877275
Weight per piece (including packing)	95.82 g
Weight per piece (excluding packing)	95.82 g
Country of origin	DE

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

Technical data

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number (Contact group 1)	12
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.14 mm ²
Litz wires Max. cross section (Contact group 1)	0.56 mm ²
Rated current Contact (Contact group 1)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

Seal

External cable diameter	2 mm ... 14.5 mm
Seal material	NBR

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)
--

50 % ... 65 %

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

Drawings

Schematic diagram



Connector pin assignment

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

Schematic diagram



Dimensional drawing

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

Classifications

ECLASS

ECLASS-13.0

27440116

UNSPSC

UNSPSC 21.0

39121400

UC-12S1N8D80DU - Cable connector



1625574

<https://www.phoenixcontact.com/us/products/1625574>

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	45cd9ff8-9f37-4c42-8777-07b0c6cf06cf

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com