

# TU-12S1N8A8UDU - Cable connector



1605969

<https://www.phoenixcontact.com/us/products/1605969>

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M23, Cable connector, application: Signal, series: TU, straight, shielded: yes, Bayonet locking, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 2 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

Item number	1605969
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	ABRAHA
GTIN	4046356256254
Weight per piece (including packing)	109.07 g
Weight per piece (excluding packing)	100.21 g
Country of origin	DE

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## Technical data

### Product properties

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

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
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
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	Bayonet locking
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67

#### Seal

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

### Environmental and real-life conditions

#### Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	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	6972aaa8-b5bb-4358-89ce-bbb20512f03f

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