

# UC-16P1N1290DU - Coupler connector



1606446

<https://www.phoenixcontact.com/us/products/1606446>

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The figure shows the 12-pos.  
product version

M23, Coupler connector, application: Signal, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 2 mm ... 14.5 mm, coding: N

## Commercial data

Item number	1606446
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABRAIG
GTIN	4046356259637
Weight per piece (including packing)	94.5 g
Weight per piece (excluding packing)	94.5 g
Customs tariff number	85366990
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

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Number (Contact group 1)	16
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	1 mm <sup>2</sup>
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	Coupling housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
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

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## Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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