

# HC-26P1N1290DU - Coupler connector



1590289

<https://www.phoenixcontact.com/us/products/1590289>

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.



Coupler connector, application: Signal, straight, Screw locking mechanism, M27, number of positions: 26, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 2 mm ... 14.5 mm, number of positions: 26, connection method: Solder cup, series: HC

## Commercial data

Item number	1590289
Packing unit	12 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAJG
GTIN	4046356186605
Weight per piece (including packing)	103.7 g
Weight per piece (excluding packing)	94.559 g
Customs tariff number	85366990
Country of origin	DE

# HC-26P1N1290DU - Coupler connector



1590289

<https://www.phoenixcontact.com/us/products/1590289>

## Technical data

### Product properties

Product type	Circular connector (cable-side)
Series	HC
Application	Signal
Number of positions	26
Connection profile	26
Shielded	yes
Coding	N
Thread type	M27

### Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Contact	CuZn
Material Contact surface	Au
Seal material	FPM or NBR or EPDM
Insulator material	PA66
Gasket and O-ring material	FPM

### Connection data

#### Conductor connection

Connection method	Solder cup
-------------------	------------

### Electrical properties

#### Contact

Contact diameter	1 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	1 mm <sup>2</sup>
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	50
-----------------------------	----

# HC-26P1N1290DU - Coupler connector



1590289

<https://www.phoenixcontact.com/us/products/1590289>

## Connector

Type	straight
Direction of rotation	Standard

## Cable/line

External cable diameter	2 mm ... 14.5 mm
-------------------------	------------------

## Environmental and real-life conditions

### Ambient conditions

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

# HC-26P1N1290DU - Coupler connector

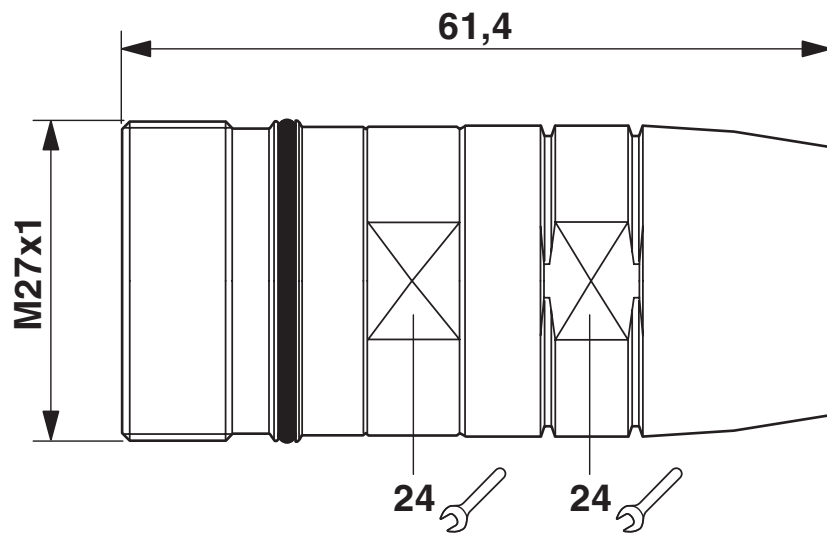


1590289

<https://www.phoenixcontact.com/us/products/1590289>

## Drawings

Dimensional drawing



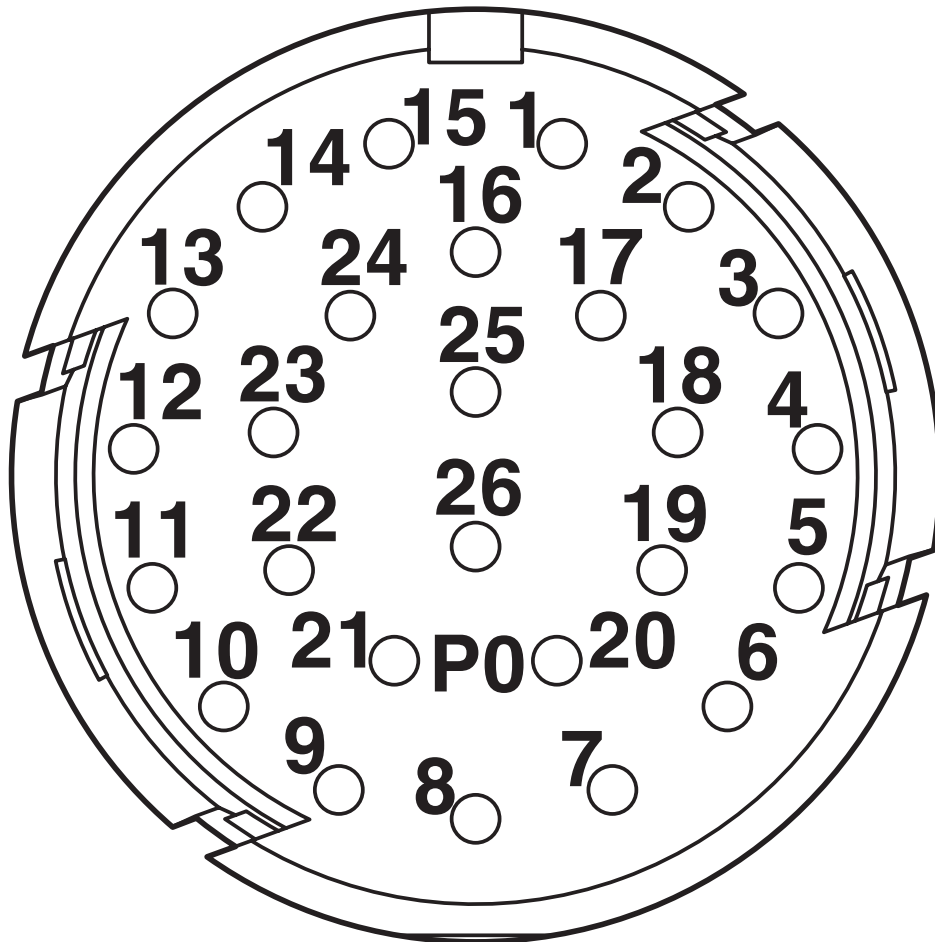
Dimensional drawing

# HC-26P1N1290DU - Coupler connector

1590289

<https://www.phoenixcontact.com/us/products/1590289>

Schematic diagram



Connector pin assignment

# HC-26P1N1290DU - Coupler connector



1590289

<https://www.phoenixcontact.com/us/products/1590289>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
-----------	----------

### UNSPSC

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

# HC-26P1N1290DU - Coupler connector



1590289

<https://www.phoenixcontact.com/us/products/1590289>

## 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	71700fee-793f-472c-a08b-9aa680b2819a

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](mailto:info@phoenixcon.com)