

# HC-28P1NT24300 - Device connector rear mounting



1590423

<https://www.phoenixcontact.com/us/products/1590423>

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Device connector rear mounting, application: Signal, straight, Screw locking mechanism, M27, number of positions: 28, contact connection type: Pin, Radial O-ring, shielded: yes, number of positions: 28, connection method: Solder pins, series: HC

## Commercial data

Item number	1590423
Packing unit	12 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAJR
GTIN	4046356187497
Weight per piece (including packing)	70 g
Weight per piece (excluding packing)	46.16 g
Country of origin	DE

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## Technical data

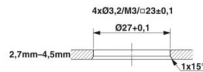
### Mounting

Mounting type	Front mounting/square flange (4x M3)
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### Product properties

Product type	Circular connectors (device side)
Series	HC
Application	Signal
Number of positions	28
Connection profile	28
Shielded	yes
Coding	N
Thread type	M27

### Dimensions

Dimensional drawing	
Length of the solder pin	10 mm
	10 mm

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FPM or NBR or EPDM
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA66
Contact material	CuZn
Contact surface	Nickel-plated, gold coating
Gasket and O-ring material	NBR

### Electrical properties

#### Contact

Contact diameter	1 mm
Nominal current $I_N$	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

### Connection data

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## Conductor connection

Connection method	Solder pins
Contact connection type	Pin

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	50
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## Connector

Type	straight
Direction of rotation	Standard

## Environmental and real-life conditions

### Ambient conditions

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

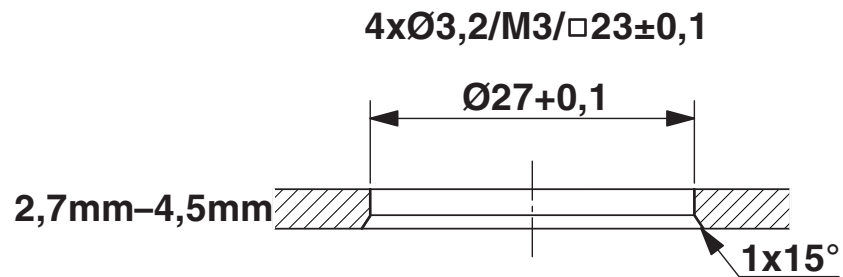
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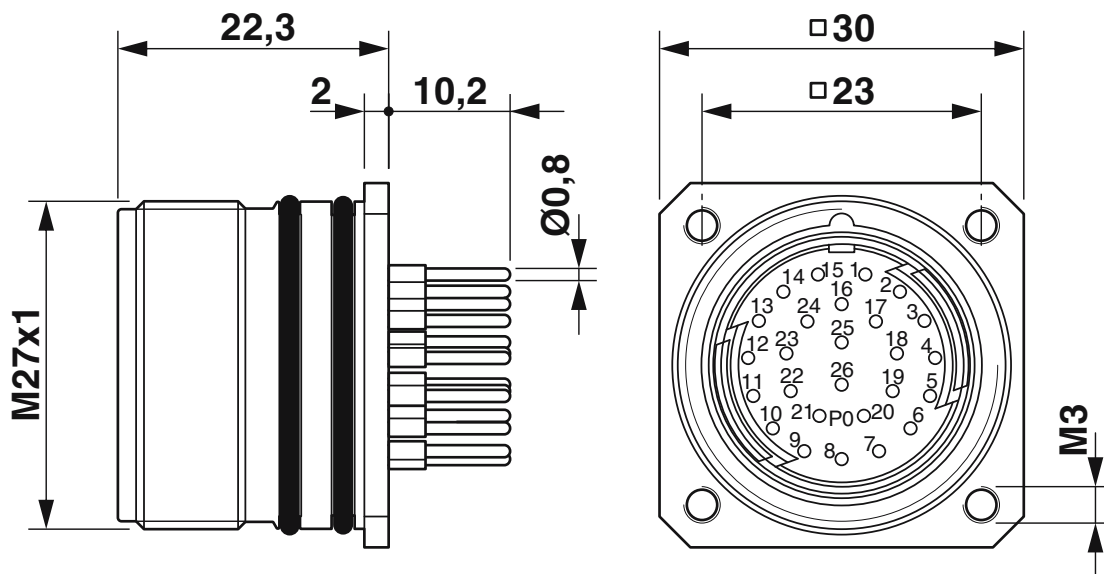
## Drawings

Dimensional drawing



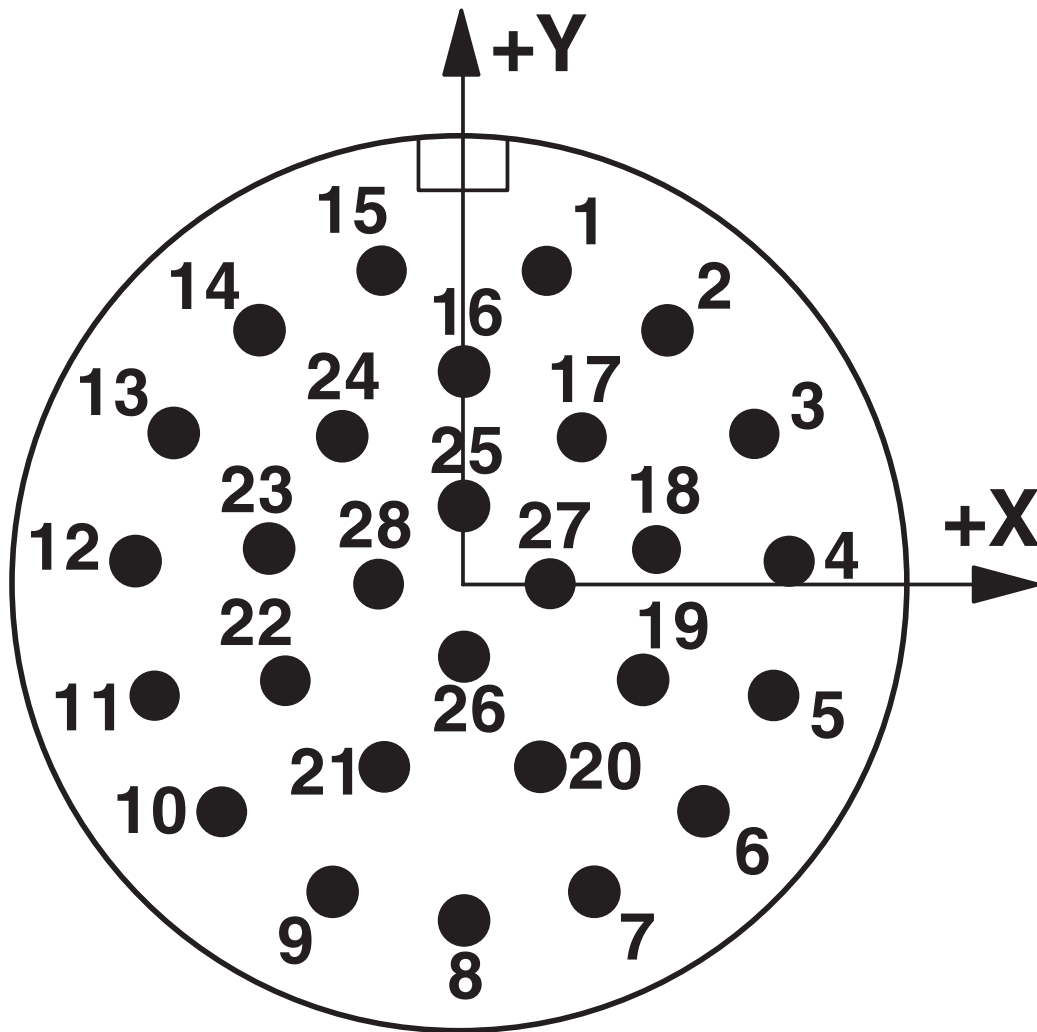
Installation dimensions

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

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## Classifications

### ETIM

ETIM 9.0	EC003569
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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	9e53ef31-8d25-4660-8a61-e96657c11c69

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