

1590423

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

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Device connector rear mounting, 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

HC-28P1NT24300 - Device connector rear mounting



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Technical data

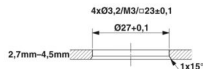
Mounting

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

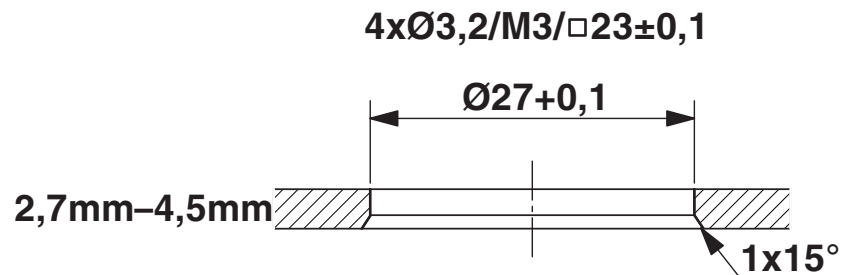
Environmental and real-life conditions

Ambient conditions

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

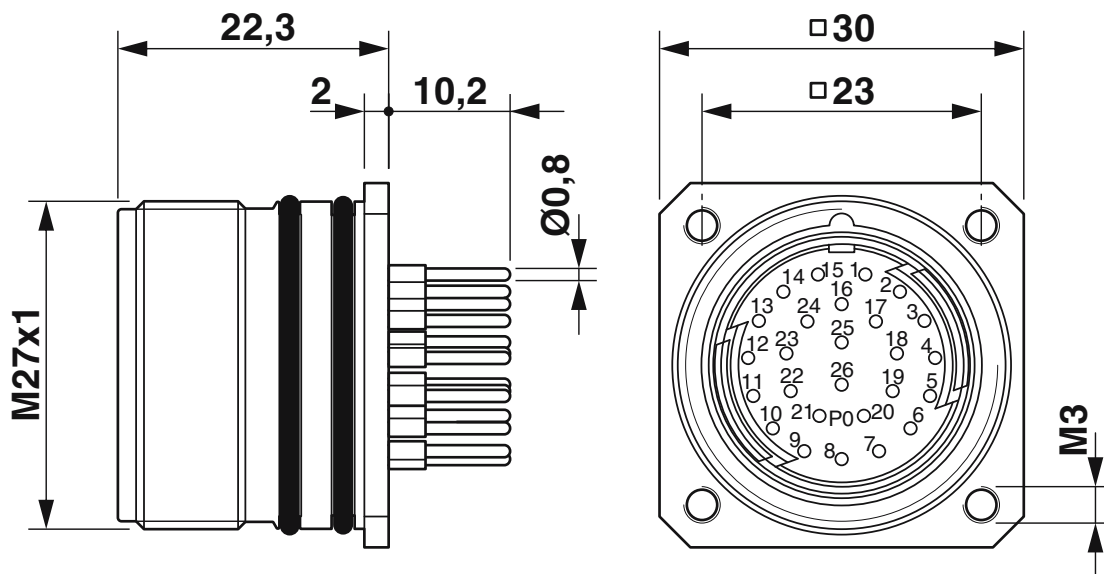
Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

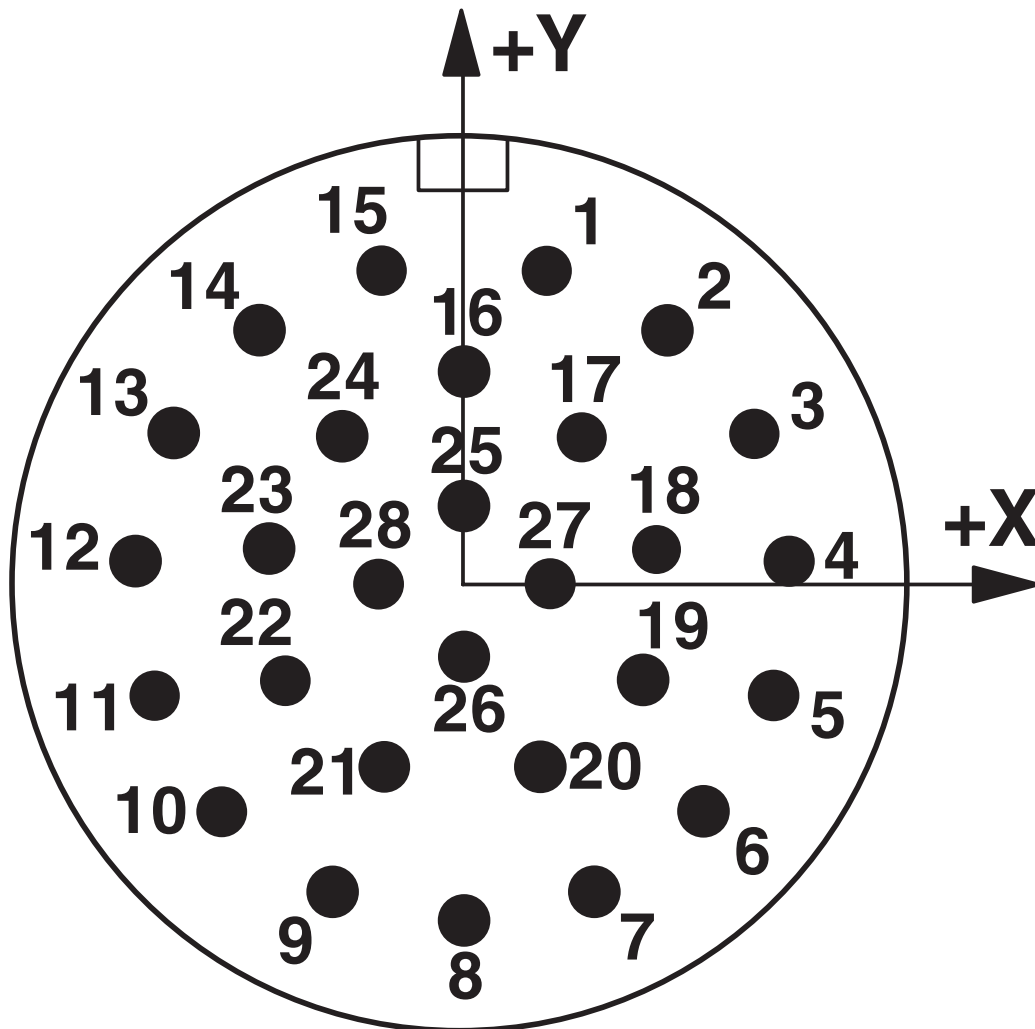


Dimensional drawing

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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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