HC-28P1N126300 - Device connector front mounting

1590409

https://www.phoenixcontact.com/us/products/1590409

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The figure shows the 26-pos. product version

Device connector front mounting, application: Signal, straight, Screw locking mechanism, M27, number of positions: 28, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 28, connection method: Solder cup, series: HC, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1590409
Packing unit	24 pc
Minimum order quantity	24 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAJL
GTIN	4046356187404
Weight per piece (including packing)	60.05 g
Weight per piece (excluding packing)	55.29 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Mounting

Mounting type	Front mounting (Pg21)

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

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FPM (O-ring)
Flammability rating according to UL 94	V0
Seal material	FPM or NBR or EPDM

Electrical properties

Contact

Contact diameter	1 mm
Min. cross section	0.08 mm²
Max. cross section	1 mm²
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

Conductor connection

Connection method	Solder cup
Contact connection type	Pin

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50

Connector

Type	straight
Direction of rotation	Standard

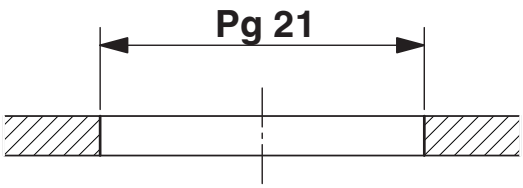
Environmental and real-life conditions

Ambient conditions

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

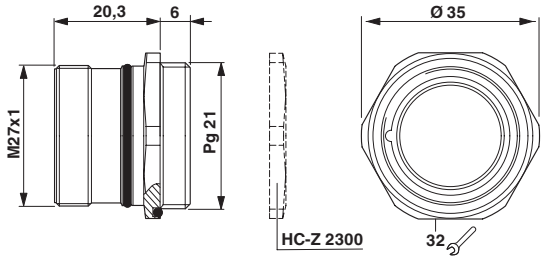
Drawings

Dimensional drawing



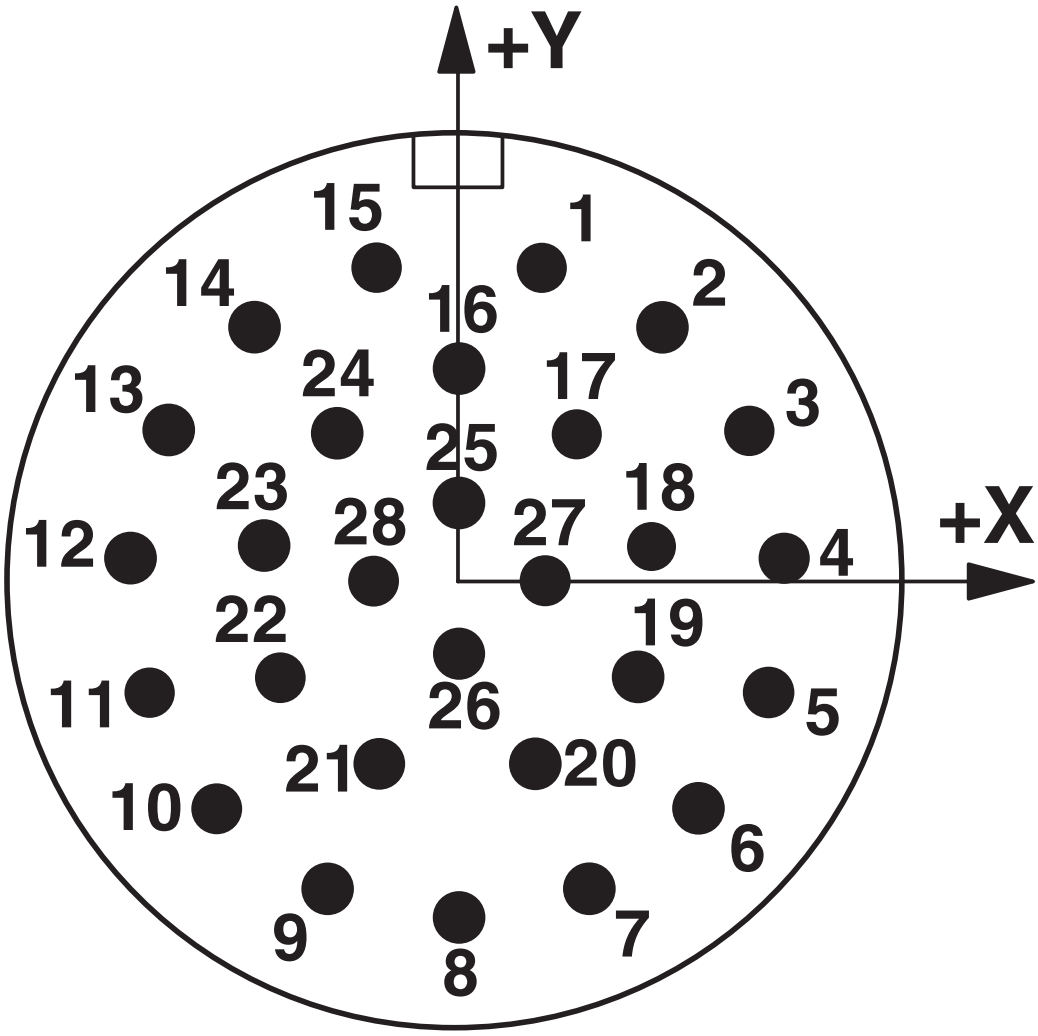
Housing bore holes

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569

UNSPSC

UNSPSC 21.0	39121400

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	3fb9af08-d1e4-4c2b-a656-a4ca85ca0fcf

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