

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

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Device connector front mounting, straight, Screw locking mechanism, M27, number of positions: 28, contact connection type: Pin, Axial O-ring, Central fixing, shielded: yes, degree of protection: IP67, number of positions: 28, connection method: Solder connection, series: HC

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)	54.77 g
Customs tariff number	85366990
Country of origin	DE

HC-28P1N126300 - Device connector front mounting



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Technical data

Mounting

Mounting type	Front mounting
Mounting	Central fixing

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

Data management status

Article revision	05
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Material specifications

Flammability rating according to UL 94	V0
Seal material	FPM or NBR or EPDM
Housing material	Metal
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	FPM

Electrical properties

Contact

Contact diameter	1 mm
Min. cross section	0.08 mm ²
Max. cross section	1 mm ²
Max. current	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

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Connection method	Solder connection
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

HC-28P1N126300 - Device connector front mounting

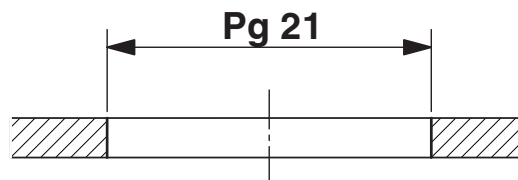
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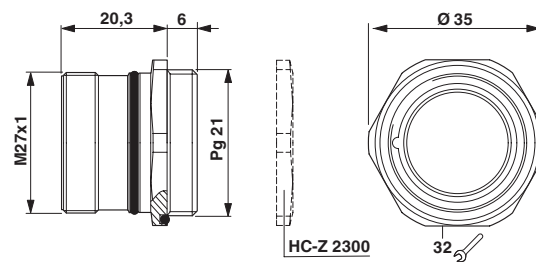
Drawings

Dimensional drawing



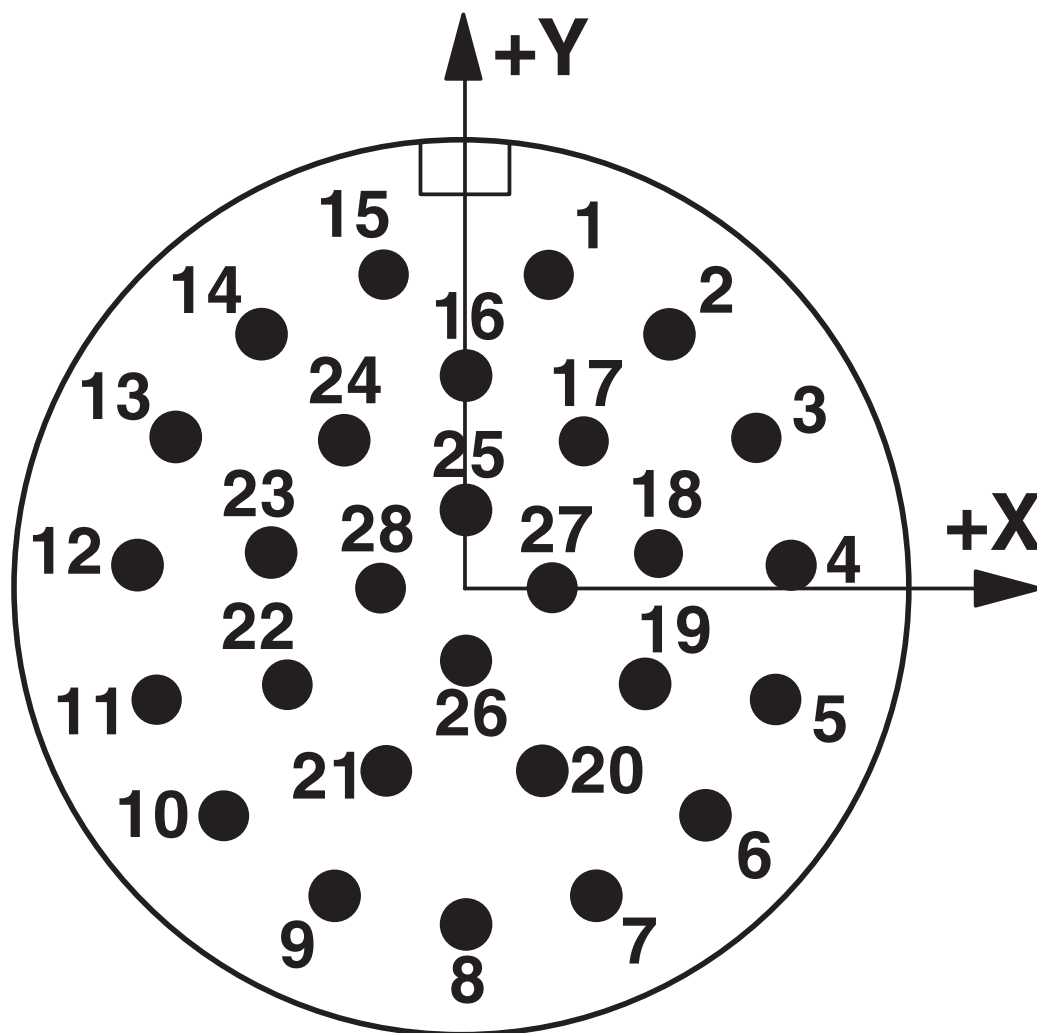
Housing bore holes

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

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	3fb9af08-d1e4-4c2b-a656-a4ca85ca0fcf

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