

1590428  
<https://www.phoenixcontact.com/pc/products/1590428>

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

Commercial data

Item number	1590428
Packing unit	24 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAJL
GTIN	4046356187541
Weight per piece (including packing)	70.44 g
Weight per piece (excluding packing)	54.77 g
Customs tariff number	85366990
Country of origin	DE

# HC-28S1N126300 - Device connector front mounting



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## Technical data

### Mounting

Mounting	Central fixing
Thread type	()

### Product properties

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

### 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	FPM

### Electrical properties

#### Contact

Contact diameter	1 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	1 mm <sup>2</sup>
Max. current	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

### Connection data

#### Conductor connection

Connection method	Solder connection
Contact connection type	Socket

### Mechanical properties

#### Mechanical data

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Insertion/withdrawal cycles	50
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## Connector

Type	straight
Direction of rotation	Standard

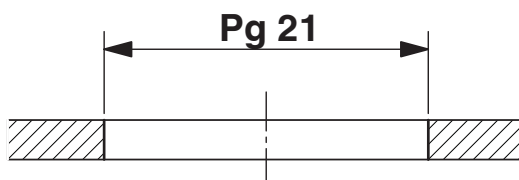
## Environmental and real-life conditions

### Ambient conditions

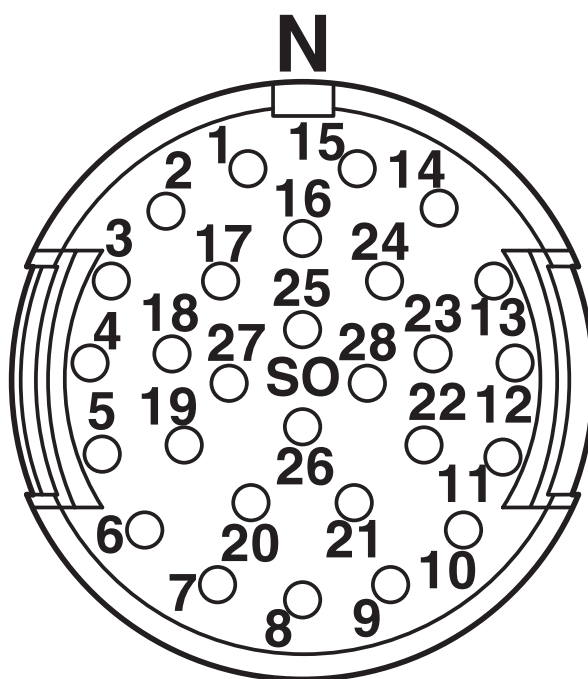
Degree of protection	IP67, when plugged in
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

## Drawings

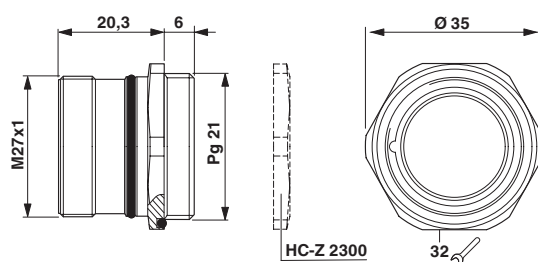
Dimensional drawing



Schematic diagram



Dimensional drawing



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## Classifications

### ECLASS

ECLASS-11.0	27440109
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### ETIM

ETIM 8.0	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)
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