

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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



1590428

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

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 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

Connection method	Solder connection
Contact connection type	Socket

Mechanical properties

Mechanical data

HC-28S1N126300 - Device connector front mounting



1590428

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

Insertion/withdrawal cycles	50
-----------------------------	----

Connector

Type	straight
Direction of rotation	Standard

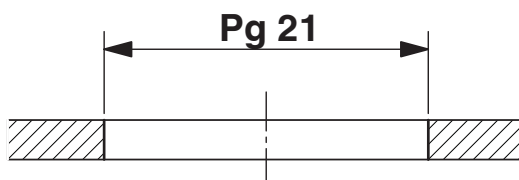
Environmental and real-life conditions

Ambient conditions

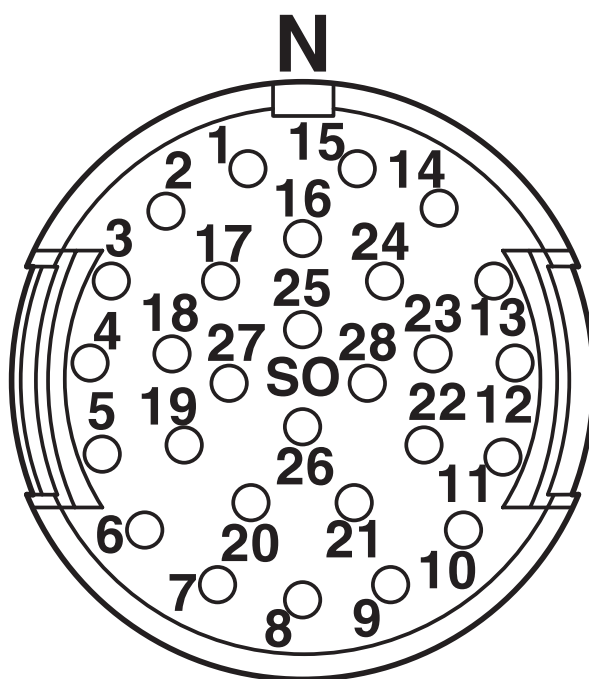
Degree of protection	IP67, when plugged in
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

Drawings

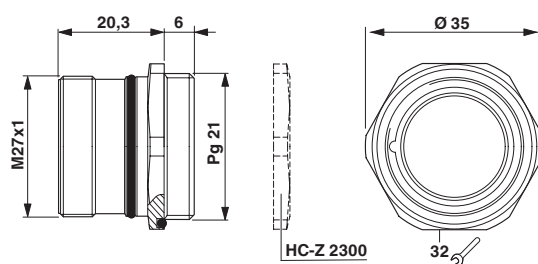
Dimensional drawing



Schematic diagram



Dimensional drawing



HC-28S1N126300 - Device connector front mounting



1590428

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

Classifications

ECLASS

ECLASS-11.0	27440109
-------------	----------

ETIM

ETIM 8.0	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)