

HC-28S1N12WA00 - Device connector front mounting



1590439

<https://www.phoenixcontact.com/gb/products/1590439>

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Device connector front mounting, straight, Screw locking mechanism, M27, contact connection type: Socket, Radial O-ring, shielded: yes, number of positions: 28, connection method: Solder connection, series: HC, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240163

Commercial data

Item number	1590439
Packing unit	24 pc
Minimum order quantity	24 pc
Sales key	ABRAJL
Product key	ABRAJL
GTIN	4046356187633
Weight per piece (including packing)	47.93 g
Weight per piece (excluding packing)	44.072 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Mounting

Mounting type	Front mounting 4x Ø 3,2 mm
Assembly note	4x Ø 3,2 mm

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	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
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 mm²
Max. cross section	1 mm²
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

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Mechanical data

Insertion/withdrawal cycles	50
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Connector

Type	straight
Direction of rotation	Standard

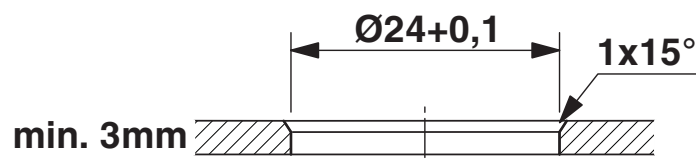
Environmental and real-life conditions

Ambient conditions

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

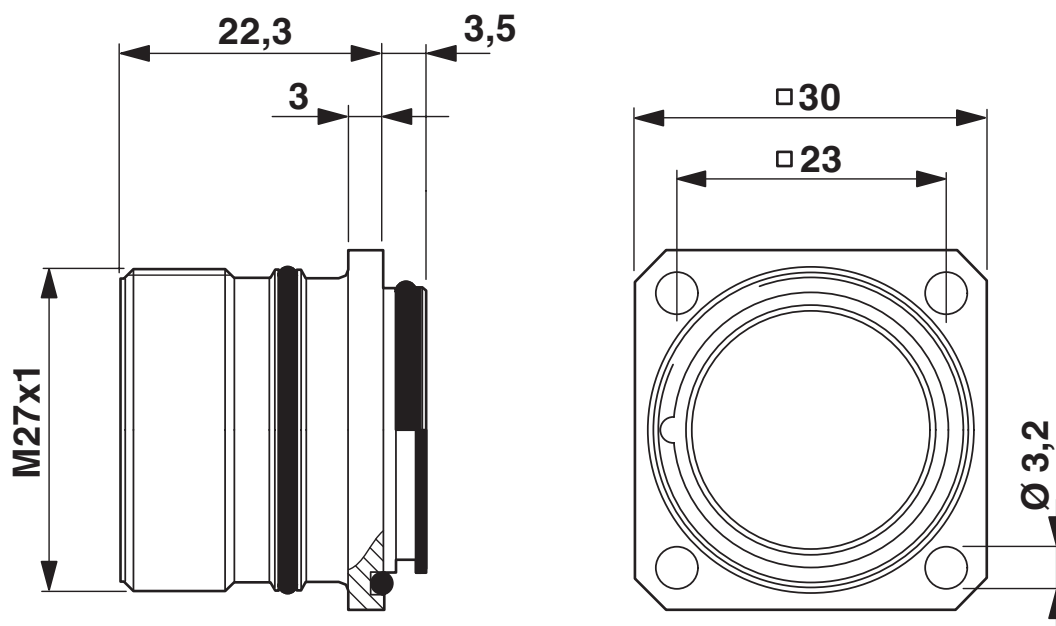
Drawings

Dimensional drawing



Housing bore holes

Dimensional drawing

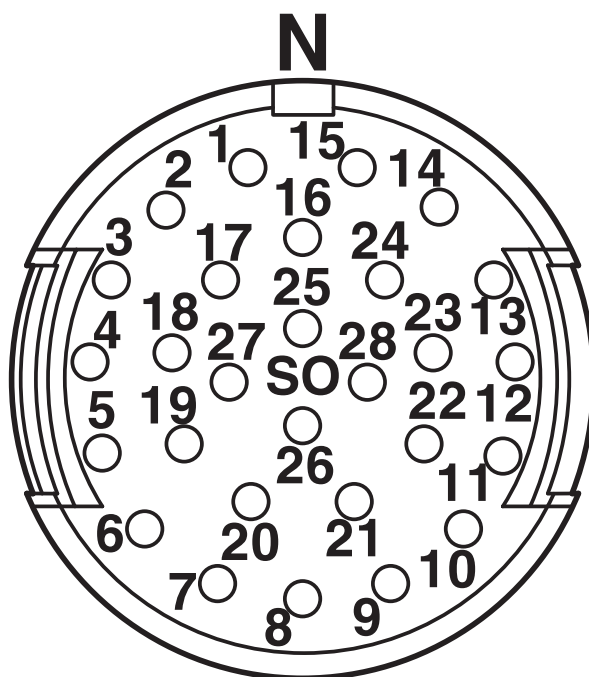


Dimensional drawing

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Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-13.0	27440109
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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	55db9ba0-b10f-4a3a-b9d1-d6cc8991ca54

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