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M23, Device connector rear mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Axial seal, coding: N, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable transmission of signals
- Solder connection: proven connection technology for various litz wires
- Application-specific panel mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1628090
Packing unit	12 pc
Minimum order quantity	12 pc
Sales key	AB31
Product key	ABRAER
GTIN	4055626381909
Weight per piece (including packing)	53.158 g
Weight per piece (excluding packing)	46.437 g
Customs tariff number	85366990
Country of origin	DE

CA-19S1NP2HZ00 - Device connector rear mounting



1628090

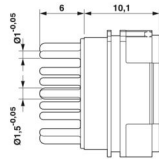
<https://www.phoenixcontact.com/us/products/1628090>

Technical data

Product properties

Product type	Circular connectors (device side)
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Dimensions

Dimensional drawing	
Length of the solder pin	3.55 mm
	3.55 mm

Material specifications

Flammability rating according to UL 94	V0
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Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Connection method	Solder-in connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number Contact (Contact group 1)	3
Diameter Contact (Contact group 1)	1.5 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 1)	1 mm ²
Rated current Contact (Contact group 1)	10 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number Contact (Contact group 2)	16
Diameter Contact (Contact group 2)	1 mm
Litz wire cross-section min. Contact (Contact group 2)	0.08 mm ²

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Litz wire cross-section max. Contact (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC
	48 V AC

Housing

Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Rear wall/screw mounting (M25 x 1,5)
Assembly note	Central fastening
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67
Seal for the device	Axial seal

CA-19S1NP2HZ00 - Device connector rear mounting

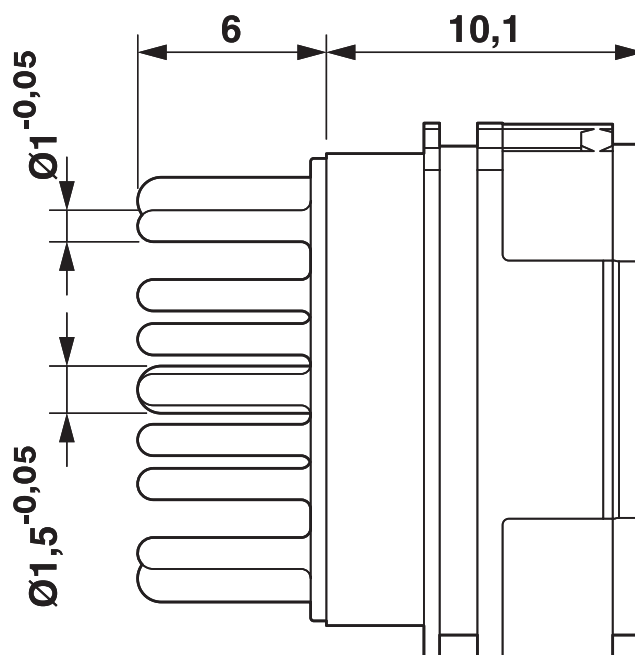
1628090

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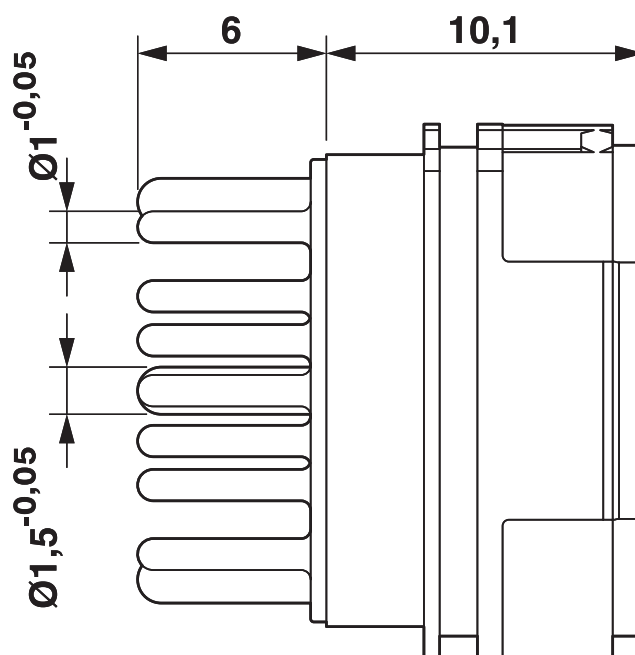
Drawings

Dimensional drawing



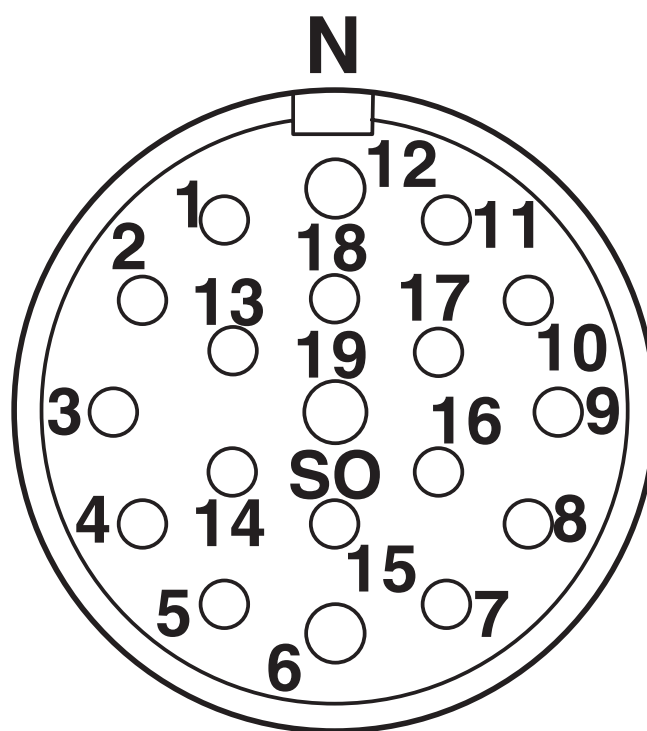
Dimensional drawing

Dimensional drawing



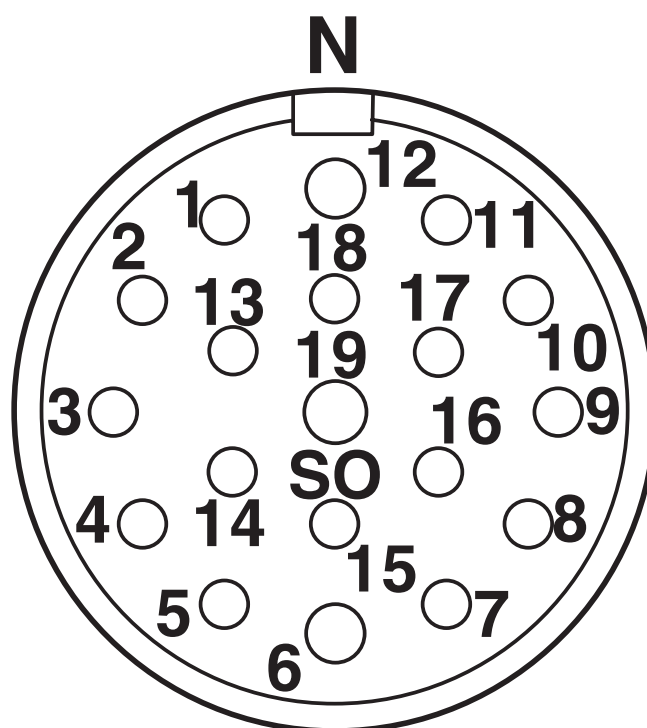
Dimensional drawing

Schematic diagram



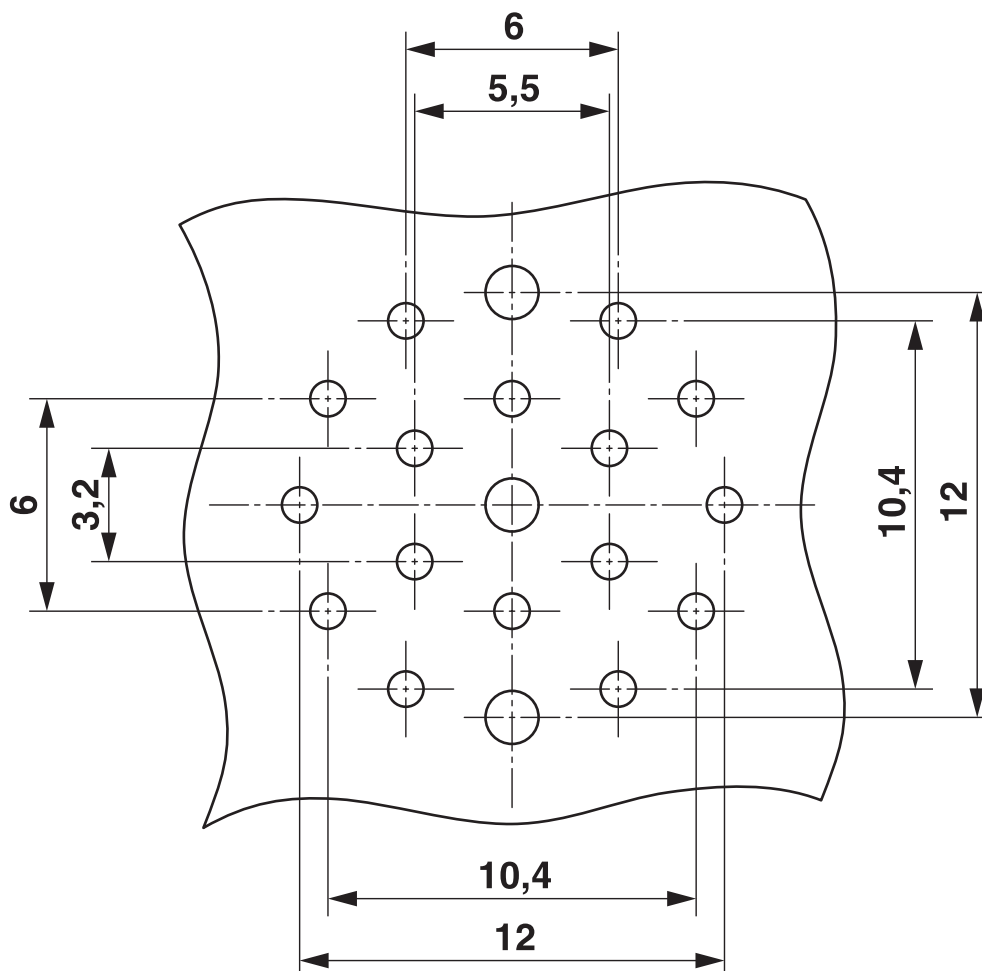
Connector pin assignment

Schematic diagram



Connector pin assignment

Drilling plan/solder pad geometry



Technical drawing of a rectangular plate with a wavy border. The plate contains 15 holes arranged in a 3x5 grid. The dimensions are as follows:

- Overall width: 12
- Overall height: 12
- Hole diameter: 6
- Distance between hole centers (horizontal): 5.5
- Distance between hole centers (vertical): 3.2
- Distance from the left edge to the first hole center: 10.4
- Distance from the bottom edge to the first hole center: 10.4

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	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	a3cf5a70-3a63-441d-bc85-91f7fca9c0f4

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