

CA-16S1NA22S00 - Device connector front mounting



1619923

<https://www.phoenixcontact.com/nl/products/1619923>

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The figure shows the 12-pos.
product version

M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Flat gasket, flange dimensions: 25 mm x 25 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Your advantages

- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable transmission of signals
- Easy device integration: solder-in contacts available in different lengths

Commercial data

Item number	1619923
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABRAEL
Product key	ABRAEL
GTIN	4046356820479
Weight per piece (including packing)	27,7 g
Weight per piece (excluding packing)	24,679 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Dimensions

Length of the solder pin	10 mm
	10 mm

Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Connection method	Solder-in connection
Contact switching type	Socket
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Number Contact (Contact group 1)	16
Diameter Contact (Contact group 1)	1 mm
Rated current Contact (Contact group 1)	8 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

Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Flange dimensions	25 mm x 25 mm
Material (Housing)	GD-Zn
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

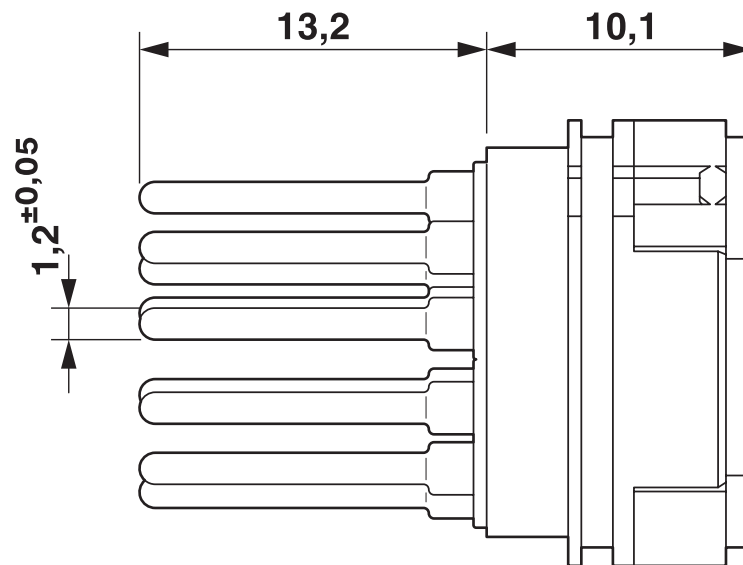
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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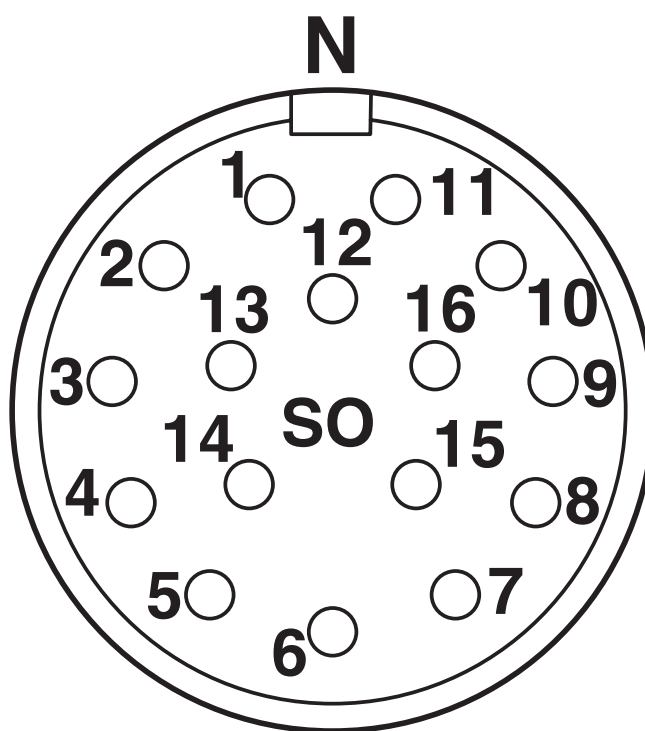
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

Technical drawing of a cross-section of a mechanical part, showing dimensions in mm. The drawing includes a central circular feature with a grid of 16 holes (4x4) and a surrounding rectangular frame. Dimensions are provided for the overall size, hole positions, and internal features.

Dimensions (mm):

- Overall width: 11,4
- Overall height: 10,4
- Distance from top edge to first hole row: 2,8
- Distance between first and second hole row: 1,1
- Distance between second and third hole row: 0,7
- Distance from bottom edge to first hole row: 5,7
- Distance from left edge to first hole column: 5,1
- Distance between first and second hole column: 3,4
- Distance between second and third hole column: 6,1
- Distance from right edge to first hole column: 4,8
- Distance from right edge to second hole column: 2,5
- Distance from right edge to third hole column: 3,6
- Distance from right edge to fourth hole column: 5,5
- Distance from right edge to fifth hole column: 2
- Distance from right edge to sixth hole column: 3,6
- Distance from right edge to seventh hole column: 5,5
- Distance from right edge to eighth hole column: 2
- Distance from right edge to ninth hole column: 3,6
- Distance from right edge to tenth hole column: 5,5
- Distance from right edge to eleventh hole column: 2
- Distance from right edge to twelfth hole column: 3,6
- Distance from right edge to thirteenth hole column: 5,5
- Distance from right edge to fourteenth hole column: 2
- Distance from right edge to fifteenth hole column: 3,6
- Distance from right edge to sixteenth hole column: 5,5
- Distance from right edge to seventeenth hole column: 2
- Distance from right edge to eighteenth hole column: 3,6
- Distance from right edge to nineteenth hole column: 5,5
- Distance from right edge to twentieth hole column: 2
- Distance from right edge to twenty-first hole column: 3,6
- Distance from right edge to twenty-second hole column: 5,5
- Distance from right edge to twenty-third hole column: 2
- Distance from right edge to twenty-fourth hole column: 3,6
- Distance from right edge to twenty-fifth hole column: 5,5
- Distance from right edge to twenty-sixth hole column: 2
- Distance from right edge to twenty-seventh hole column: 3,6
- Distance from right edge to twenty-eighth hole column: 5,5
- Distance from right edge to twenty-ninth hole column: 2
- Distance from right edge to thirtieth hole column: 3,6
- Distance from right edge to thirty-first hole column: 5,5
- Distance from right edge to thirty-second hole column: 2
- Distance from right edge to thirty-third hole column: 3,6
- Distance from right edge to thirty-fourth hole column: 5,5
- Distance from right edge to thirty-fifth hole column: 2
- Distance from right edge to thirty-sixth hole column: 3,6
- Distance from right edge to thirty-seventh hole column: 5,5
- Distance from right edge to thirty-eighth hole column: 2
- Distance from right edge to thirty-ninth hole column: 3,6
- Distance from right edge to fortieth hole column: 5,5
- Distance from right edge to forty-first hole column: 2
- Distance from right edge to forty-second hole column: 3,6
- Distance from right edge to forty-third hole column: 5,5
- Distance from right edge to forty-fourth hole column: 2
- Distance from right edge to forty-fifth hole column: 3,6
- Distance from right edge to forty-sixth hole column: 5,5
- Distance from right edge to forty-seventh hole column: 2
- Distance from right edge to forty-eighth hole column: 3,6
- Distance from right edge to forty-ninth hole column: 5,5
- Distance from right edge to fiftieth hole column: 2
- Distance from right edge to fifty-first hole column: 3,6
- Distance from right edge to fifty-second hole column: 5,5
- Distance from right edge to fifty-third hole column: 2
- Distance from right edge to fifty-fourth hole column: 3,6
- Distance from right edge to fifty-fifth hole column: 5,5
- Distance from right edge to fifty-sixth hole column: 2
- Distance from right edge to fifty-seventh hole column: 3,6
- Distance from right edge to fifty-eighth hole column: 5,5
- Distance from right edge to fifty-ninth hole column: 2
- Distance from right edge to sixtieth hole column: 3,6
- Distance from right edge to sixty-first hole column: 5,5
- Distance from right edge to sixty-second hole column: 2
- Distance from right edge to sixty-third hole column: 3,6
- Distance from right edge to sixty-fourth hole column: 5,5
- Distance from right edge to sixty-fifth hole column: 2
- Distance from right edge to sixty-sixth hole column: 3,6
- Distance from right edge to sixty-seventh hole column: 5,5
- Distance from right edge to sixty-eighth hole column: 2
- Distance from right edge to sixty-ninth hole column: 3,6
- Distance from right edge to seventieth hole column: 5,5
- Distance from right edge to seventy-first hole column: 2
- Distance from right edge to seventy-second hole column: 3,6
- Distance from right edge to seventy-third hole column: 5,5
- Distance from right edge to seventy-fourth hole column: 2
- Distance from right edge to seventy-fifth hole column: 3,6
- Distance from right edge to seventy-sixth hole column: 5,5
- Distance from right edge to seventy-seventh hole column: 2
- Distance from right edge to seventy-eighth hole column: 3,6
- Distance from right edge to seventy-ninth hole column: 5,5
- Distance from right edge to eightieth hole column: 2
- Distance from right edge to eighty-first hole column: 3,6
- Distance from right edge to eighty-second hole column: 5,5
- Distance from right edge to eighty-third hole column: 2
- Distance from right edge to eighty-fourth hole column: 3,6
- Distance from right edge to eighty-fifth hole column: 5,5
- Distance from right edge to eighty-sixth hole column: 2
- Distance from right edge to eighty-seventh hole column: 3,6
- Distance from right edge to eighty-eighth hole column: 5,5
- Distance from right edge to eighty-ninth hole column: 2
- Distance from right edge to ninetyth hole column: 3,6
- Distance from right edge to ninety-first hole column: 5,5
- Distance from right edge to ninety-second hole column: 2
- Distance from right edge to ninety-third hole column: 3,6
- Distance from right edge to ninety-fourth hole column: 5,5
- Distance from right edge to ninety-fifth hole column: 2
- Distance from right edge to ninety-sixth hole column: 3,6
- Distance from right edge to ninety-seventh hole column: 5,5
- Distance from right edge to ninety-eighth hole column: 2
- Distance from right edge to ninety-ninth hole column: 3,6
- Distance from right edge to one hundredth hole column: 5,5

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1619923>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	5 A	18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	8 A	18	-

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	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	f8a5213b-f9ae-413d-980e-40e3da56f07b