

1619949

https://www.phoenixcontact.com/us/products/1619949

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Flat gasket, flange dimensions: 25 mm x 25 mm, 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
- · Consistent EMC protection for reliable transmission of signals
- · Easy device integration: solder-in contacts available in different lengths

Commercial data

Item number	1619949
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
GTIN	4046356820332
Weight per piece (including packing)	29.26 g
Weight per piece (excluding packing)	22.295 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Product properties

	Product type	Circular connectors (device side)		
Di	Dimensions			
	Dimensional drawing	6,7		
	Length of the solder pin	3.5 mm		

Material specifications

Flammability rating according to UL 94	V0

Connector

Insulating body

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 12 Direction of rotation Standard Connection profile 12 Number Contact (Contact group 1) 12 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	Coding	N
Material (Contact surface) Connection method Solder-in connection Contact switching type Socket Application Number of positions Direction of rotation Connection profile Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category	Material (Insulating body)	PBT
Connection method Contact switching type Socket Application Signal Number of positions 12 Direction of rotation Connection profile 12 Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage Overvoltage category Socket Signal 12 Diameter Contaction Standard 12 12 12 13 14 15 16 17 17 18 18 18 19 19 19 10 10 10 10 11 11 11	Material (Contact)	CuZn
Contact switching type Application Signal Number of positions 12 Direction of rotation Connection profile 12 Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category III	Material (Contact surface)	Ni/Au
Application Number of positions 12 Direction of rotation Connection profile 12 Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage Overvoltage category Signal 12 Standard 12 Number Contact (Contact group 1) 12 1 mm 8 A (for max. connection cross section) 48 V AC 74 V DC	Connection method	Solder-in connection
Number of positions12Direction of rotationStandardConnection profile12Number Contact (Contact group 1)12Diameter Contact (Contact group 1)1 mmRated current Contact (Contact group 1)8 A (for max. connection cross section)Rated voltage Contact (Contact group 1)48 V AC74 V DCRated surge voltage1.5 kVOvervoltage categoryIII	Contact switching type	Socket
Direction of rotation Connection profile 12 Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category III	Application	Signal
Connection profile 12 Number Contact (Contact group 1) 12 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	Number of positions	12
Number Contact (Contact group 1) Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category III	Direction of rotation	Standard
Diameter Contact (Contact group 1) Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) Rated surge voltage 1.5 kV Overvoltage category 1 mm 8 A (for max. connection cross section) 48 V AC 74 V DC	Connection profile	12
Rated current Contact (Contact group 1) Rated voltage Contact (Contact group 1) 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III	Number Contact (Contact group 1)	12
Rated voltage Contact (Contact group 1) 48 V AC 74 V DC Rated surge voltage 1.5 kV Overvoltage category III	Diameter Contact (Contact group 1)	1 mm
74 V DC Rated surge voltage 1.5 kV Overvoltage category III	Rated current Contact (Contact group 1)	8 A (for max. connection cross section)
Rated surge voltage 1.5 kV Overvoltage category III	Rated voltage Contact (Contact group 1)	48 V AC
Overvoltage category III		74 V DC
	Rated surge voltage	1.5 kV
Degree of pollution 3	Overvoltage category	III
	Degree of pollution	3

Housing

3	
Туре	Flange housing
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock



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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

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Ambient temperature (operation)	-40 °C 125 °C
, and one temperature (operation)	

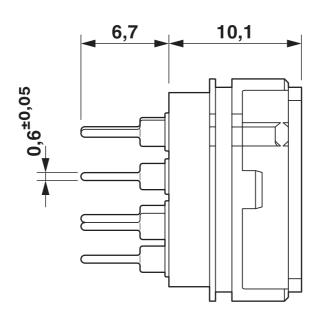


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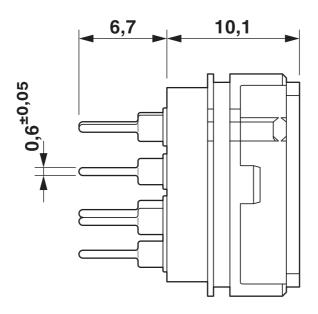
Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



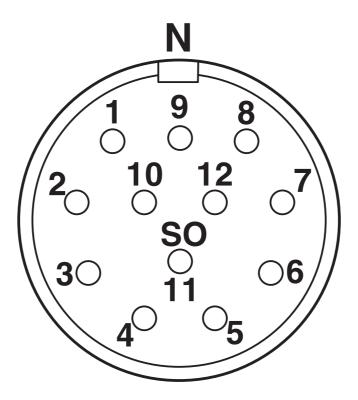
Dimensional drawing



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Schematic diagram



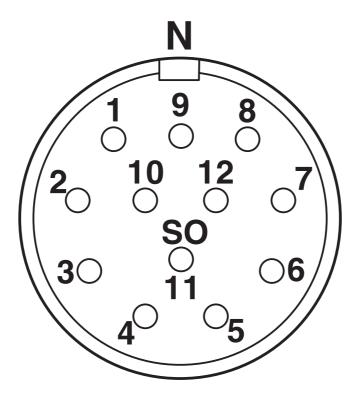
Connector pin assignment



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Schematic diagram



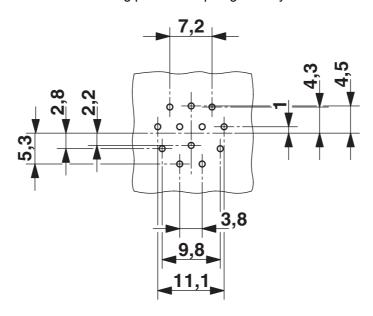
Connector pin assignment



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Drilling plan/solder pad geometry



12-pos.



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619949

. 9 1	cUL Recognized Approval ID: E335019-201	41210			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		48 V	6 A	18	-

7.	UL Recognized Approval ID: E335019-201412	10			
	No	ominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
	48	3 V	8 A	18	-



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Classifications

ECLASS

	ECLASS-13.0	27440109
	ECLASS-15.0	27440109
ET	IM	
	ETIM 9.0	EC003569
UN	ISPSC	

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: n/a)
SCIP	f2276ce7-34a1-4e44-ae2a-7fe1491e90c8

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