

1619772

https://www.phoenixcontact.com/us/products/1619772

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 3 mm ... 14.5 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
- · Connector for flexible on-site assembly
- · Consistent EMC protection for reliable transmission of signals
- · Solder connection: proven connection technology for various litz wires

Commercial data

Item number	1619772
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
GTIN	4046356821452
Weight per piece (including packing)	95.5 g
Weight per piece (excluding packing)	89.25 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Order information:	When using a specific cable with \varnothing 3 mm 4 mm, it may be necessary to use the special cable seal (1786601)
Product properties	
Product type	Circular connector (cable-side)
Connector	
Connection 1	
Head design	Socket
Insulating body	
Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
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)	7
Diameter Contact (Contact group 2)	2 mm
Litz wire cross-section max. Contact (Contact group 2)	2.5 mm²
Rated current Contact (Contact group 2)	20 A
Housing	
Туре	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn



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Degree of protection (plugged in)	IP67	
Seal		
External cable diameter	3 mm 14.5 mm	
Seal material	NBR	
	NBR	
nvironmental and real-life conditions		
Ambient conditions		

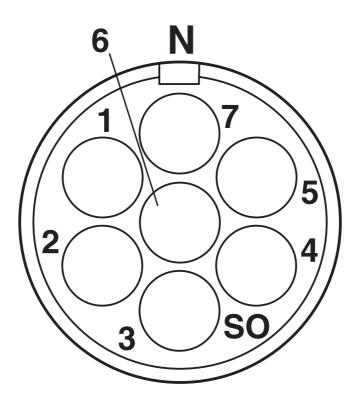


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Drawings

Schematic diagram



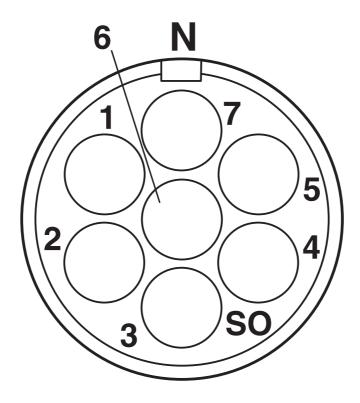
Connector pin assignment



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Schematic diagram



Connector pin assignment



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619772

. 7.1	CUL Recognized Approval ID: E335019-20141210				
	N	lominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
	4	8 V	10 A	14	-

7/1	SU UL Recognized Approval ID: E335019-20141210			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	48 V	20 A	14	-



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Classifications

ECLASS

	ECLASS-13.0	27440116		
	ECLASS-15.0	27440116		
ETIM				
	ETIM 9.0	EC002635		
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	f285f113-a426-42a1-99e5-adb38dc62d4d

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com