

1619344

https://www.phoenixcontact.com/us/products/1619344

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243465



## Your advantages

- · Angled cable outlet for confined spaces
- · Can be adapted to various applications, thanks to adjustable cable outlet direction
- · 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
- · Reduced connection time with SPEEDCON fast locking system
- · Solder connection: proven connection technology for various litz wires

#### Commercial data

Item number	1619344
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAED
Catalog page	Page 91 (C-2-2019)
GTIN	4046356825009
Weight per piece (including packing)	199.8 g
Weight per piece (excluding packing)	199.8 g
Customs tariff number	85366990
Country of origin	DE



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## Technical data

## Product properties

	Product type	Circular connector (cable-side)
Cc	onnector	

#### Insulating body

Insulation body material	Coding	N
Contact surface material         Ni/Au           Insertion/withdrawal cycles         100           Connection method         Solder connection           Contact switching type         Pin           Application         Signal           Number of positions         19           Direction of rotation         Standard           Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Insulation body material	PA 6.6
Insertion/withdrawal cycles  Connection method  Contact switching type  Application  Number of positions  Direction of rotation  Connection profile  Contact diameter Power contacts  Litz wire cross-section Power contacts  Rated current Power contacts  Rated voltage  At V AC  74 V DC  Rated surge voltage  Overvoltage category  Direction of positions  100  Solder connection  Signal  19  19  10+3  10+3  1 mm²  1 mm²  10 A  Rated current Power contacts  10 A  Rated surge voltage  1.5 kV  Overvoltage category  III  Degree of pollution  3  Contact diameter Signal contacts  1 mm  Litz wire cross-section Signal contacts max.  1 mm²  1 mm²  Litz wire cross-section Signal contacts  1 mm²	Contact material	CuZn
Connection method Contact switching type Application Signal Number of positions 19 Direction of rotation Connection profile Contact diameter Power contacts Litz wire cross-section Power contacts Rated current Power contacts Rated surge voltage Overvoltage category Uniform the section of power contacts I mm  Solder connection Pin Pin Pin Signal Pin	Contact surface material	Ni/Au
Contact switching type         Pin           Application         Signal           Number of positions         19           Direction of rotation         Standard           Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Insertion/withdrawal cycles	100
Application         Signal           Number of positions         19           Direction of rotation         Standard           Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Connection method	Solder connection
Number of positions         19           Direction of rotation         Standard           Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Contact switching type	Pin
Direction of rotation         Standard           Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Application	Signal
Connection profile         16+3           Contact diameter Power contacts         1.5 mm           Litz wire cross-section Power contacts max.         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Number of positions	19
Contact diameter Power contacts  Litz wire cross-section Power contacts max.  Rated current Power contacts  Rated voltage  48 V AC  74 V DC  Rated surge voltage  Overvoltage category  Degree of pollution  Contact diameter Signal contacts  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  1.5 mm  1 mm²  1 mm²  1 mm²  8 A	Direction of rotation	Standard
Litz wire cross-section Power contacts         1 mm²           Rated current Power contacts         10 A           Rated voltage         48 V AC           74 V DC           Rated surge voltage         1.5 kV           Overvoltage category         III           Degree of pollution         3           Contact diameter Signal contacts         1 mm           Litz wire cross-section Signal contacts max.         1 mm²           Nominal current per signal contact         8 A	Connection profile	16+3
Rated current Power contacts  Rated voltage  48 V AC 74 V DC  Rated surge voltage  1.5 kV  Overvoltage category  Degree of pollution  Contact diameter Signal contacts  Litz wire cross-section Signal contact  Nominal current per signal contact  8 A	Contact diameter Power contacts	1.5 mm
Rated voltage  48 V AC  74 V DC  Rated surge voltage  1.5 kV  Overvoltage category  Degree of pollution  3  Contact diameter Signal contacts  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  8 A	Litz wire cross-section Power contacts max.	1 mm²
74 V DC  Rated surge voltage 1.5 kV  Overvoltage category III  Degree of pollution 3  Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts max.  Nominal current per signal contact 8 A	Rated current Power contacts	10 A
Rated surge voltage  1.5 kV  Overvoltage category  Degree of pollution  Contact diameter Signal contacts  1 mm  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  8 A	Rated voltage	48 V AC
Overvoltage category  Degree of pollution  Contact diameter Signal contacts  1 mm  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  8 A		74 V DC
Degree of pollution 3  Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts max. 1 mm²  Nominal current per signal contact 8 A	Rated surge voltage	1.5 kV
Contact diameter Signal contacts  1 mm  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  8 A	Overvoltage category	III
Litz wire cross-section Signal contacts max.  Nominal current per signal contact  8 A	Degree of pollution	3
Nominal current per signal contact  8 A	Contact diameter Signal contacts	1 mm
	Litz wire cross-section Signal contacts max.	1 mm²
Installation height 2000 m	Nominal current per signal contact	8 A
	Installation height	2000 m

## Housing

Housing material	Metal
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal	
External cable diameter	10 mm 14.5 mm
Seal material	NBR



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## Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-40 °C 125 °C
Ambient temperature (storage/transport)	15 °C 25 °C
Permissible humidity (storage/transport)	50 % 65 %



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## Classifications

UNSPSC 21.0

### **ECLASS**

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116
ETIM	
ETIM 9.0	EC002635
UNSPSC	

39121400



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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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