

1619732

https://www.phoenixcontact.com/us/products/1619732

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 16, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243784

#### 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
- · Crimping connection: vibration- and temperature-resistant assembly

#### Commercial data

Item number	1619732
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB33
Product key	ABRAEA
GTIN	4046356821858
Weight per piece (including packing)	86.217 g
Weight per piece (excluding packing)	86.217 g
Customs tariff number	85366990
Country of origin	DE



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#### Technical data

Coding   N     Insulation body material   PA 6.6     Connection method   Crimp connection     Contact switching type   Socket     Application   Signal     Number of positions   16     Direction of rotation   Standard     Connection profile   16     Contact diameter Signal contacts   1 mm     Litz wire cross-section Signal contacts min.   1 mm²     Litz wire cross-section Signal contacts max.   1 mm²     Litz wire cross-section Signal contact   8 A     Rated voltage Signal contact   48 V AC     Rated surge voltage   1.5 kV     Overvoltage category   III     Degree of pollution   3     Housing material   Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)     Type of locking   Screw locking mechanism     Pg screw connection   none     Degree of protection (plugged in)   IP67	otes	
Product type  Circular connector (cable-side)  Connection 1  Head design  Socket  Insulating body  Note  Order information: Order 6 x Ø 1 mm crimp contacts separate to the product of the	General	Order 6 x Ø 1 mm crimp contacts separately
Connection 1 Head design Socket  Insulating body  Note Order information: Order 6 x Ø 1 mm crimp contacts separation of the separation of	oduct properties	
Connection 1 Head design Socket  Insulating body  Note Order information: Order 6 x Ø 1 mm crimp contacts separate to the sepa	Product type	Circular connector (cable-side)
Insulating body  Note Order information: Order 6 x Ø 1 mm crimp contacts separal Coding N Insulation body material PA 6.6  Connection method Crimp connection  Contact switching type Socket  Application Signal  Number of positions 16  Direction of rotation Standard  Connection profile 16  Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts min. 1 mm²  Litz wire cross-section Signal contacts 8 A  Rated voltage Signal contact 48 V AC  Rated voltage Signal contact 48 V AC  Rated surge voltage 1.5 kV  Overvoltage category III  Degree of pollution 3  Housing Material Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking Screw locking mechanism none  Degree of protection (plugged in) IP67	onnector	
Insulating body  Note Order information: Order 6 x Ø 1 mm crimp contacts separal Note  Coding N Insulation body material PA 6.6  Connection method Crimp connection  Contact switching type Socket  Application Signal  Number of positions 16  Direction of rotation Standard  Connection profile 16  Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts min. 1 mm²  Litz wire cross-section Signal contacts 8 A  Rated voltage Signal contact 48 V AC  Rated voltage Signal contact 48 V AC  Rated surge voltage 1.5 kV  Overvoltage category III  Degree of pollution 3  Housing Material Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking Screw locking mechanism  Pg screw connection (plugged in) IP67	Occasion 4	
Insulating body  Note Order information: Order 6 x Ø 1 mm crimp contacts separal Coding N  Insulation body material PA 6.6  Connection method Crimp connection  Contact switching type Socket  Application Signal  Number of positions 16  Direction of rotation Standard  Connection profile 16  Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts min. 0.08 mm²  Litz wire cross-section Signal contacts 8 A  Rated voltage Signal contact 48 V AC  Rated surge voltage 1,5 kV  Overvoltage category III  Degree of pollution 3  Housing Housing material Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking Screw locking mechanism none  Degree of protection (plugged in) IP67		Cooket
Note Order information: Order 6 x Ø 1 mm crimp contacts separe Coding N Insulation body material PA 6.6 Connection method Crimp connection Contact switching type Socket Application Signal Number of positions 16 Direction of rotation Standard Connection profile 16 Contact diameter Signal contacts 1 mm Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contact 8 A Rated voltage Signal contact 48 V AC Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Type of locking Pg screw connection (plugged in) Degree of protection (plugged in) PA 6.6 Crimp connection: Order 6 x Ø 1 mm crimp contacts separe. No manual contact signal contact Signal Contact Grimp Crimp connection: Order 6 x Ø 1 mm crimp contacts PA 6.6 Crimp connection: Order 6 x Ø 1 mm crimp contacts separe. Noket Signal Contact Grimp Crimp connection: Order 6 x Ø 1 mm crimp contacts separe.  PA 6.6 Crimp connection: Order 6 x Ø 1 mm crimp contacts separe.  PA 6.6 Crimp connection N N Nomination: Order 6 x Ø 1 mm crimp contacts separe.  Pa 6.6 Crimp connection: Order 6 x Ø 1 mm crimp contacts separe.  PA 6.6 Crimp connection: N N Nomination: Order 6 x Ø 1 mm crimp contacts separe.  PA 6.6 Crimp connection: Order 6 x Ø 1 mm crimp contacts separe.  PA 6.6 Crimp connection: N N N N N N N N N N N N N N N N N N N	neau design	Socket
Coding   N	Insulating body	
Insulation body material  Connection method  Connection method  Contact switching type  Application  Number of positions  Direction of rotation  Connection profile  Contact diameter Signal contacts  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  Ill  Degree of pollution  Type of locking  Pg screw connection  Degree of protection (plugged in)  PA 6.6  Crimp connection  Socket  Soc	Note	Order information: Order 6 x Ø 1 mm crimp contacts separately
Connection method Contact switching type Socket Application Signal Number of positions 16 Direction of rotation Connection profile 16 Contact diameter Signal contacts 1 mm Contact diameter Signal contacts 1 mm  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts 8 A Rated voltage Signal contact Rated surge voltage 1.5 kV Overvoltage category III Degree of pollution Type of locking Pg screw connection Degree of protection (plugged in) If 6 Contact diameter Signal contacts 1 mm 0.08 mm² 1 mm² 1 mm² 2 Nominal current per signal contact 8 A RA	Coding	N
Contact switching type Application Signal Number of positions 16 Direction of rotation Standard Connection profile 16 Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact Rated voltage Signal contact Rated surge voltage 1.5 kV Overvoltage category Ill Degree of pollution Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn) Type of locking Pg screw connection Degree of protection (plugged in) Igham Identity Inches Standard  10 0.08 mm² 1 mm²  8 A  8 A  8 A  8 A  8 A  8 A  8 A  8	Insulation body material	PA 6.6
Application  Number of positions  Direction of rotation  Connection profile  Contact diameter Signal contacts  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  Standard  16  Standard  16  10  10  10  10  10  10  10  10  10	Connection method	Crimp connection
Number of positions Direction of rotation Standard Connection profile Contact diameter Signal contacts Litz wire cross-section Signal contacts min. Litz wire cross-section Signal contacts max. Nominal current per signal contact Rated voltage Signal contact Rated surge voltage 1.5 kV Overvoltage category Ill Degree of pollution Type of locking Pg screw connection Degree of protection (plugged in)  16 Standard Standard Standard Standard 10 10 10 10 10 10 10 10 10 10 10 10 10	Contact switching type	Socket
Direction of rotation  Connection profile  Contact diameter Signal contacts  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  Ill  Degree of pollution  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  Standard  16  1 mm  0.08 mm²  1 mm²  8 A  8 A  8 A  8 V AC  1.5 kV  1.6 kV  1.7 kV	Application	Signal
Connection profile  Contact diameter Signal contacts  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  1 mm  0.08 mm²  8 A  8 A  8 A  8 A  8 V AC  1.5 kV  1111  1111  1111  1111  1111  1111  1111	Number of positions	16
Contact diameter Signal contacts  Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  III  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  I mm  0.08 mm²  1 mm  48 V AC  48 V AC  1.5 kV  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  1 mm  1 mm  2 mm²  1 s A  8 A  1 mm²  1 mm²  1 s A  8 A  1 mm²  1 mm²  1 s A  8 A  1 mm²  1 t mm²  1 s A  8 A  1 mm²  1 t mm²  1 s A  8 A  1 mm²  1 t mm²  1 s A  8 A  1 mm²  1 s A  8 A  1 mm²  1 t mm²  1 s A  8 A  1 s A  1 mm²  1 t mm²  1 s A  8 A  1 s A  1 mm²  1 t mm²  1 s A  8 A  1 s A  1 mm²  1 s A  8 A  1 s A  1 s A  1 s A  8 A  1 s A  1 mm²  1 s A  8 A  1 s A  1 mm²  1 s A  1 mm²  1 s A  1 mm²  1 mm²  1 s A  1 mm²  1	Direction of rotation	Standard
Litz wire cross-section Signal contacts min.  Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  III  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  I mm²  8 A  8 A  8 V AC  1.5 kV  III  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Forew locking mechanism  none	Connection profile	16
Litz wire cross-section Signal contacts max.  Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  Overvoltage category  III  Degree of pollution  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  1 mm²  1 mm²  8 A  48 V AC  1.5 kV  1.7 kV  1.7 kV  1.7 kV  1.8 kV  1.9 kV  1.9 kV  1.9 kV  1.9 kV  1.0 kV  1.	Contact diameter Signal contacts	1 mm
Nominal current per signal contact  Rated voltage Signal contact  Rated surge voltage  1.5 kV  Overvoltage category  Degree of pollution  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  Rated voltage Signal contact  48 V AC  111  112  113  114  115  117  117  118  119  119  119  119  119	Litz wire cross-section Signal contacts min.	0.08 mm²
Rated voltage Signal contact  Rated surge voltage  1.5 kV  Overvoltage category  III  Degree of pollution  3  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  IP67	Litz wire cross-section Signal contacts max.	1 mm²
Rated surge voltage  Overvoltage category  III  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  1.5 kV  III  Screw locking  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  III  III  III  III  III  III  III	Nominal current per signal contact	8 A
Overvoltage category  Degree of pollution  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  III  Screw locking mechanism  none  IP67	Rated voltage Signal contact	48 V AC
Degree of pollution  3  Housing  Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Pg screw connection  Degree of protection (plugged in)  1  3  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Screw locking mechanism  none  IP67	Rated surge voltage	1.5 kV
Housing Housing material Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking Screw locking mechanism Pg screw connection none Degree of protection (plugged in)  IP67	Overvoltage category	III
Housing material  Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc Zn)  Type of locking  Screw locking mechanism  Pg screw connection  Degree of protection (plugged in)  IP67	Degree of pollution	3
Zn)  Type of locking  Screw locking mechanism  Pg screw connection  Degree of protection (plugged in)  IP67	Housing	
Pg screw connection none  Degree of protection (plugged in) IP67	Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD Zn)
Degree of protection (plugged in)  IP67	Type of locking	Screw locking mechanism
	Pg screw connection	none
Thread type M23	Degree of protection (plugged in)	IP67
· ·	Thread type	M23
	Seal  External cable diameter	4 mm 6 mm
External cable diameter 4 mm 6 mm		

NBR

Environmental and real-life conditions

Seal material



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Ambient conditions

|--|

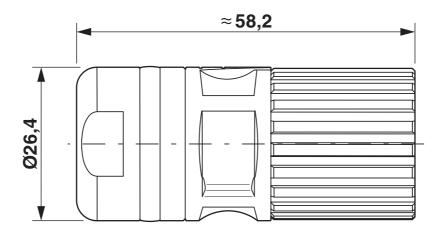


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## Drawings

#### Dimensional drawing





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### **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619732

. <b>51</b> 1	<b>cUL Recognized</b> Approval ID: E335019-20141210			
	Nominal volta	age U <sub>N</sub> Nominal current	Cross section AWO	G Cross section mm <sup>2</sup>
	48 V	3 A	- 20	-

<i>7</i> .1	UL Recognized Approval ID: E335019-20	0141210			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		48 V	5 A	- 20	-

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	cUL us Recognize



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### Classifications

UNSPSC 21.0

#### **ECLASS**

ECLASS-11.0	27440102	
ECLASS-12.0	27440116	
ECLASS-13.0	27440116	
ETIM		
ETIM 8.0	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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#### Accessories

RC-11S2000 - Crimp contact

1596772

https://www.phoenixcontact.com/us/products/1596772



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range:  $0.08~\text{mm}^2$  ...  $0.22~\text{mm}^2$ , Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

#### RC-12S2000 - Crimp contact

1599600

https://www.phoenixcontact.com/us/products/1599600



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range:  $0.14~\text{mm}^2$  ...  $0.56~\text{mm}^2$ , Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093



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#### RC-1KS2000 - Crimp contact

1602998

https://www.phoenixcontact.com/us/products/1602998



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range:  $0.5~\text{mm}^2~\dots~1~\text{mm}^2$ , Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

#### RC-Z2058 - Protective cap

1604223

https://www.phoenixcontact.com/us/products/1604223



Plastic protection cap for connectors with M23 knurled nut



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#### RC-Z2468 - Protective cap

1611796

https://www.phoenixcontact.com/us/products/1611796



Plastic protection cap, antistatic, for connectors with M23 knurled nut

#### CA-Z0077 - Metal protective cap

1627224

https://www.phoenixcontact.com/us/products/1627224



Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245447



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#### SF-Z0028 - Torque screwdriver

1607456

https://www.phoenixcontact.com/us/products/1607456



Torque screwdriver, series: RC

#### SF-Z0027 - Hook wrench

1607455

https://www.phoenixcontact.com/us/products/1607455



Hook wrench, series: RC



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RF-Z0014 - Color-coding

1620588

https://www.phoenixcontact.com/us/products/1620588

Color-coding, color: green



RF-Z0015 - Color-coding

1620592

https://www.phoenixcontact.com/us/products/1620592

Color-coding, color: orange





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https://www.phoenixcontact.com/us/products/1619732

#### RF-Z0016 - Color-coding

1620593

https://www.phoenixcontact.com/us/products/1620593

Color-coding, color: black



#### RF-Z0003 - Square mounting flange

1607905

https://www.phoenixcontact.com/us/products/1607905



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369



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#### RC-22S2000 - Crimp contact

1603327

https://www.phoenixcontact.com/us/products/1603327



Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range:  $0.22~\text{mm}^2$  ...  $0.56~\text{mm}^2$ , Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

#### RC-22S2400 - Crimp contact

1603332

https://www.phoenixcontact.com/us/products/1603332



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range:  $0.22~\text{mm}^2$  ...  $0.56~\text{mm}^2$ , Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)



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#### RC-22S2300 - Crimp contact

1603330

https://www.phoenixcontact.com/us/products/1603330



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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