

# Cable connector - CA-09P1N8AT007S



1619387

<https://www.phoenixcontact.com/us/products/1619387>

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M23, Cable connector, CA, angled, shielded: yes, SPEEDCON locking, No. of pos.: 8+1, Direction of rotation: Standard, type of contact: Pin, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding:N Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1243505



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

## Commercial Data

Item number	1619387
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A12
Product Key	ABRBFH
Catalog Page	Page 90 (C-2-2019)
GTIN	4046356824606
Weight per Piece (including packing)	187.9 g
Weight per Piece (excluding packing)	187.9 g
Customs tariff number	85366990
Country of origin	DE

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## Technical Data

### Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
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### Product properties

Product type	Circular connector (cable-side)
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### Connector

#### Insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact type	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter <b>Power contacts</b>	2 mm
Litz wire cross-section <b>Power contacts</b> min.	1 mm <sup>2</sup>
Litz wire cross-section <b>Power contacts</b> max.	2.5 mm <sup>2</sup>
Rated current <b>Power contacts</b>	20 A
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Signal contacts</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

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

#### Seal

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External cable diameter	6 mm ... 10 mm
Seal material	NBR

## Ambient conditions

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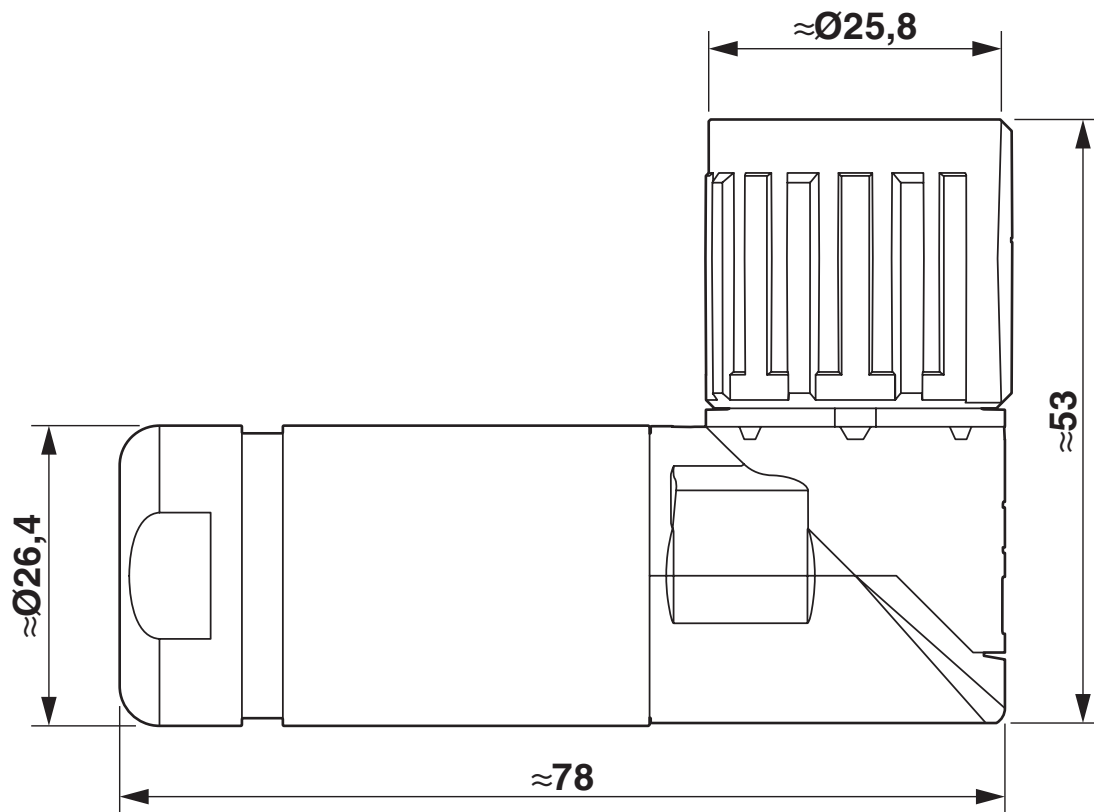
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## Drawings

Dimensional drawing



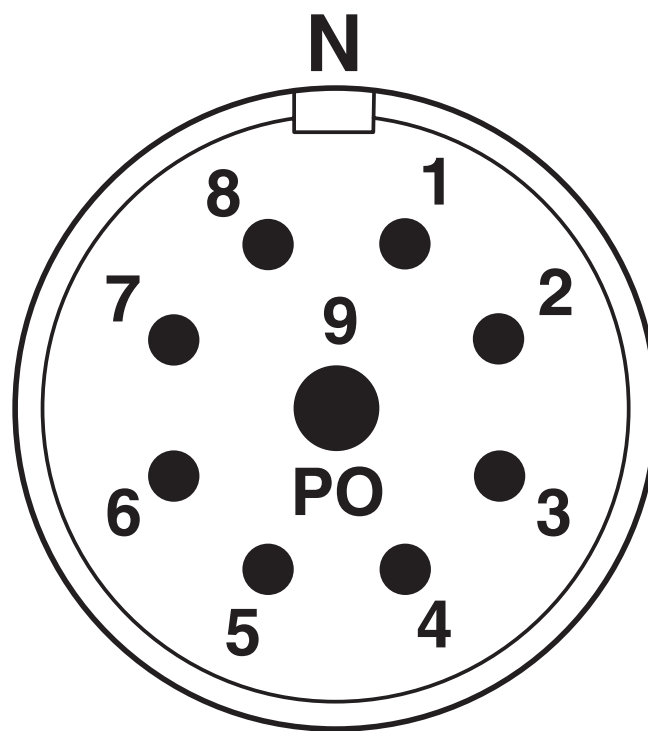
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Schematic diagram




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## Approvals

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Power	48 V	12 A	- 14	-
Signal	48 V	4 A	- 20	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Power	48 V	20 A	- 14	-
Signal	48 V	6 A	- 20	-

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

### ETIM

ETIM 8.0	EC002635
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### UNSPSC

UNSPSC 21.0	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

### Crimp contact

Crimp contact - RC-5CP2000 - 1603513

<https://www.phoenixcontact.com/us/products/1603513>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1241634

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### Crimp contact

Crimp contact - RC-5AP2000 - 1603505

<https://www.phoenixcontact.com/us/products/1603505>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1241634

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## Crimp contact

Crimp contact - RC-5SP2000 - 1603529

<https://www.phoenixcontact.com/us/products/1603529>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

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## Protective cap

Protective cap - RC-Z2058 - 1604223

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



Plastic protection cap for connectors with M23 knurled nut

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## Plastic anti-static dust protection cap

Plastic anti-static dust protection cap - RC-Z2468 - 1611796

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

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



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## Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

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

Torque screwdriver, series: RC



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## Hook wrench

Hook wrench - SF-Z0027 - 1607455

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



Hook wrench, series: RC

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## Color-coding

Color-coding - RF-Z0014 - 1620588

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



Color-coding, color: green

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## Color-coding

Color-coding - RF-Z0015 - 1620592

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

Color-coding, color: orange



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## Color-coding

Color-coding - RF-Z0016 - 1620593

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

Color-coding, color: black



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## Crimp contact

Crimp contact - RC-11P2000 - 1596770

<https://www.phoenixcontact.com/us/products/1596770>



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1240882

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## Crimp contact

Crimp contact - RC-12P2000 - 1597862

<https://www.phoenixcontact.com/us/products/1597862>



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1240882

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## Crimp contact

Crimp contact - RC-1KP2000 - 1602996

<https://www.phoenixcontact.com/us/products/1602996>



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

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## Crimp contact

Crimp contact - RC-22P2000 - 1603321

<https://www.phoenixcontact.com/us/products/1603321>



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Single contact

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## Crimp contact

Crimp contact - RC-22P2300 - 1603324

<https://www.phoenixcontact.com/us/products/1603324>



Crimp contact, 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>

## Crimp contact

Crimp contact - RC-22P2400 - 1603325

<https://www.phoenixcontact.com/us/products/1603325>



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

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## Crimp contact

Crimp contact - RC-21P2000 - 1603310

<https://www.phoenixcontact.com/us/products/1603310>



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Single contact

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## Crimp contact

Crimp contact - RC-21P2300 - 1603313

<https://www.phoenixcontact.com/us/products/1603313>



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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## Crimp contact

Crimp contact - RC-21P2400 - 1611637

<https://www.phoenixcontact.com/us/products/1611637>



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm,  
crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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