

# CA-1RS1N8AT006S - Cable connector



1624081

<https://www.phoenixcontact.com/us/products/1624081>

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16+2+FE, 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.: 1245091



## 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	1624081
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB33
Product key	ABRAED
Catalog page	Page 91 (C-2-2019)
GTIN	4055626230719
Weight per piece (including packing)	191 g
Weight per piece (excluding packing)	142.002 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 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 16 x Ø 1 mm, 3 x Ø 1.5 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter <b>Power contacts</b>	1.5 mm
Litz wire cross-section <b>Power contacts</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Power contacts</b> max.	1 mm <sup>2</sup>
Rated current <b>Power contacts</b>	10 A
Note	for max. connection cross section
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
Note	for max. connection cross section
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

#### Housing

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

## Seal

External cable diameter	4 mm ... 6 mm
Seal material	NBR

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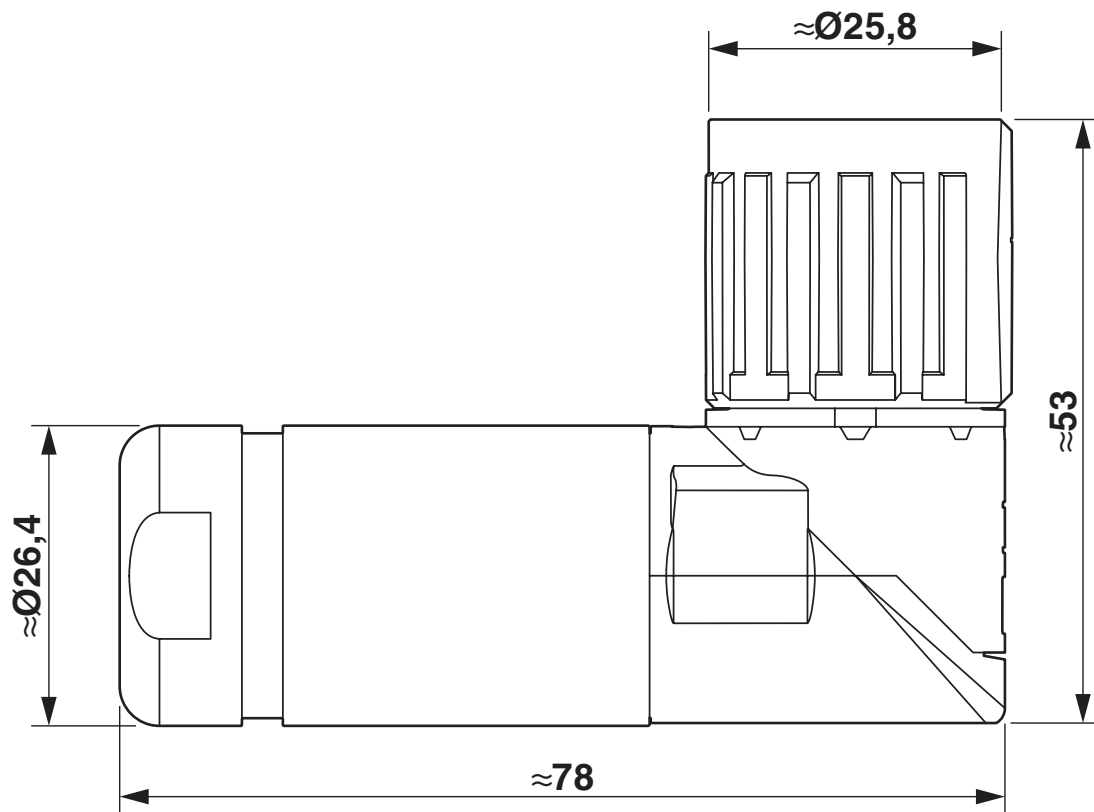


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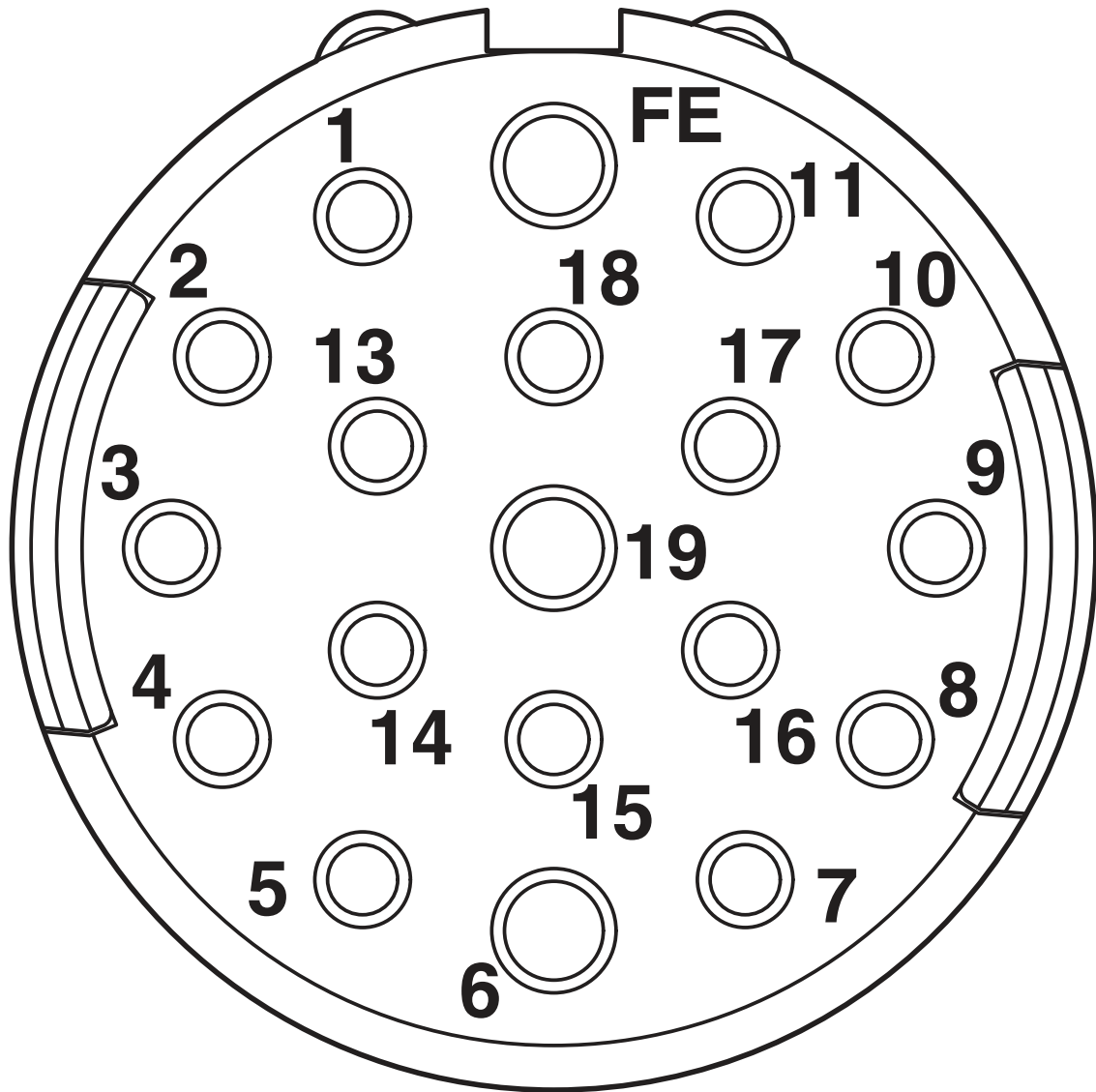
## Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### 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

### 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 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

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### 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 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, 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 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

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## RC-15S2000 - Crimp contact

1623775

<https://www.phoenixcontact.com/us/products/1623775>



Crimp contact, Socket, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm<sup>2</sup> .. 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244969

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## RC-15S2200 - Crimp contact

1627290

<https://www.phoenixcontact.com/us/products/1627290>



Crimp contact, Socket, turned, contact diameter: 1.5 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%) item no.: 1245474

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## 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



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## 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-Z0027 - Hook wrench

1607455

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



Hook wrench, series: RC

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## SF-Z0028 - Torque screwdriver

1607456

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Torque screwdriver, series: RC

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## 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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## RF-Z0007 - Special wrench

1614347

<https://www.phoenixcontact.com/us/products/1614347>

Special wrench, series: RF



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## RF-Z0014 - Color-coding

1620588

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Color-coding, color: green



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## RF-Z0015 - Color-coding

1620592

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

Color-coding, color: orange



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## RF-Z0016 - Color-coding

1620593

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Color-coding, color: black



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