

CA-1RP1N8A80DN - Cable connector



1623845

<https://www.phoenixcontact.com/in/products/1623845>

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M23, Cable connector, CA, straight, shielded: yes, Screw locking, No. of pos.: 16+2+FE, Direction of rotation: Standard, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding:N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245007

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	1623845
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABR
Product Key	ABRBFA
Catalog Page	Page 87 (C-2-2019)
GTIN	4055626228488
Weight per Piece (including packing)	92.3 g
Weight per Piece (excluding packing)	89.7 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8A80DN - Cable connector



1623845

<https://www.phoenixcontact.com/in/products/1623845>

Technical Data

Notes

Order information:	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) 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 16x Ø 1 mm, 2x Ø 1.5 mm, 1x Ø 1.5 mm (FE, first) separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter Power contacts	1.5 mm
Litz wire cross-section Power contacts min.	0.08 mm ²
Litz wire cross-section Power contacts max.	1 mm ²
Rated current Power contacts	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 Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per 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

CA-1RP1N8A80DN - Cable connector



1623845

<https://www.phoenixcontact.com/in/products/1623845>

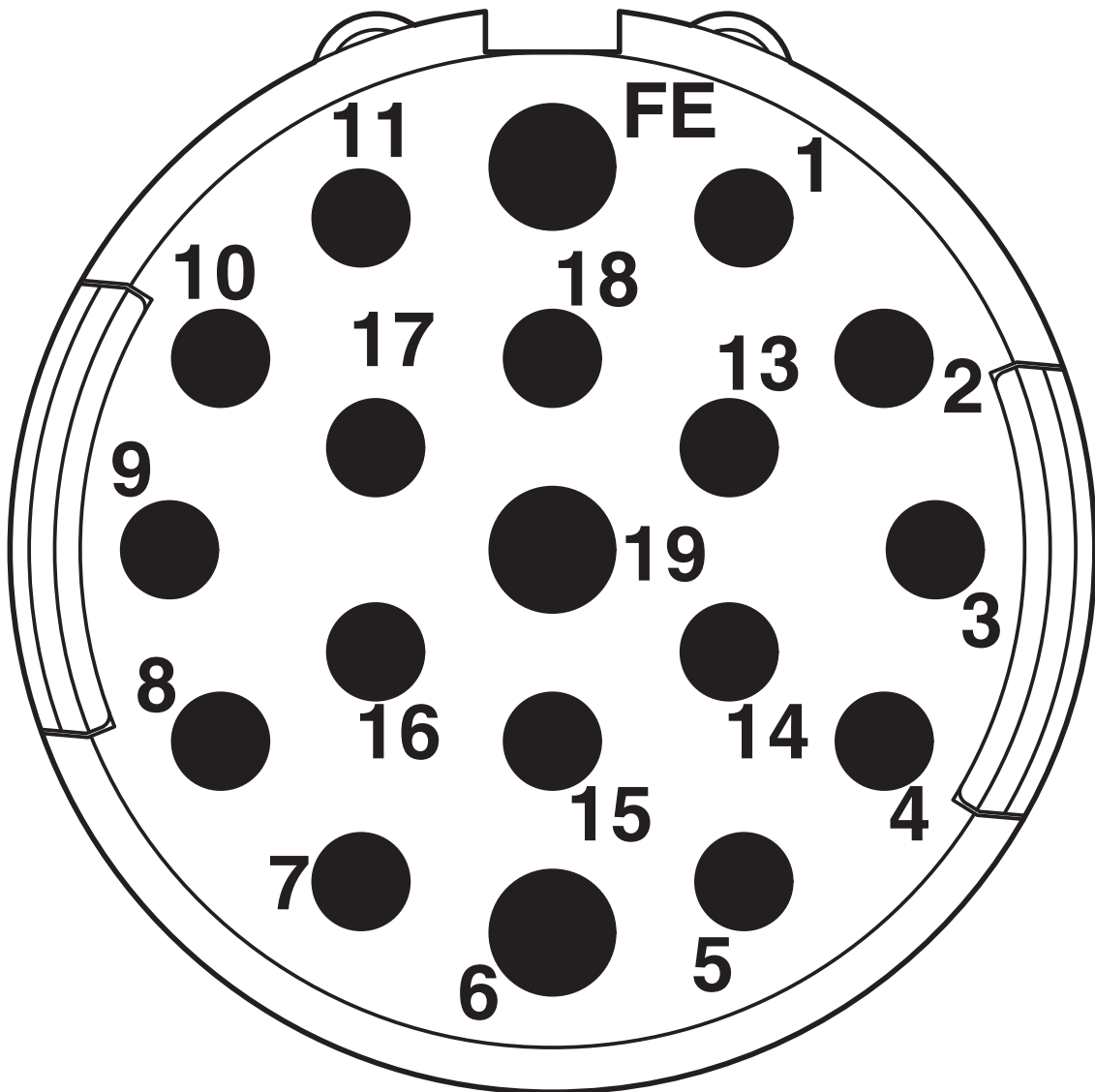
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

Drawings

Schematic diagram



Connector pin assignment

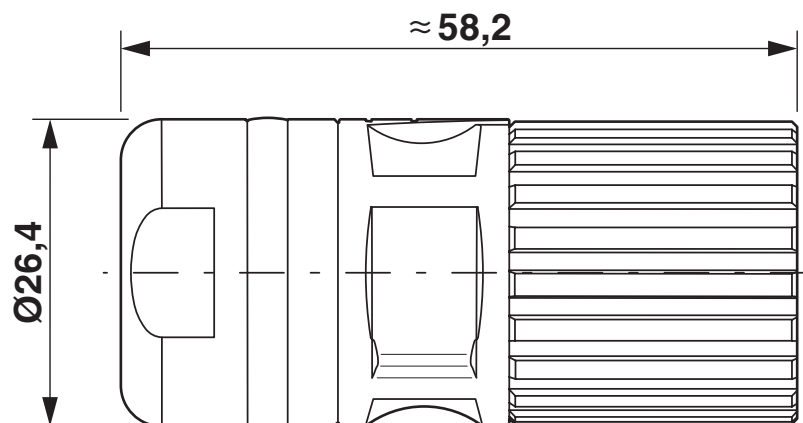
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1623845

<https://www.phoenixcontact.com/in/products/1623845>



Dimensional drawing




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1623845

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Approvals

 cUL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	48 V	6 A	- 18	-
	48 V	5 A	- 18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	48 V	10 A	- 18	-
	48 V	8 A	- 18	-

CA-1RP1N8A80DN - Cable connector



1623845

<https://www.phoenixcontact.com/in/products/1623845>

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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1623845

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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"

CA-1RP1N8A80DN - Cable connector



1623845

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Accessories

RC-15P2010 - Crimp contact

1623776

<https://www.phoenixcontact.com/in/products/1623776>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

RC-15P2020 - Crimp contact

1623777

<https://www.phoenixcontact.com/in/products/1623777>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

CA-1RP1N8A80DN - Cable connector

1623845

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RC-15P2030 - Crimp contact

1623778

<https://www.phoenixcontact.com/in/products/1623778>



Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244972

RC-15P2200 - Crimp contact

1627292

<https://www.phoenixcontact.com/in/products/1627292>



Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

CA-1RP1N8A80DN - Cable connector

1623845

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RC-15P2300 - Crimp contact

1627291

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Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.14 mm² ... 0.56 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

RC-15P2000 - Crimp contact

1623779

<https://www.phoenixcontact.com/in/products/1623779>



Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244973

CA-1RP1N8A80DN - Cable connector

1623845

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RC-15P2100 - Crimp contact

1623780

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Crimp contact, Pin, leading, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244974

RC-Z2058 - Protective cap

1604223

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



Plastic protection cap for connectors with M23 knurled nut

CA-1RP1N8A80DN - Cable connector

1623845

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RC-Z2468 - Protective cap

1611796

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

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



RF-Z0014 - Color-coding

1620588

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Color-coding, color: green



CA-1RP1N8A80DN - Cable connector

1623845

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RF-Z0015 - Color-coding

1620592

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Color-coding, color: orange



RF-Z0016 - Color-coding

1620593

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Color-coding, color: black



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1623845

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RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/in/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

SF-Z0028 - Torque screwdriver

1607456

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Torque screwdriver, series: RC

CA-1RP1N8A80DN - Cable connector

1623845

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SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC

RF-Z0007 - Special wrench

1614347

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Special wrench, series: RF

CA-1RP1N8A80DN - Cable connector

1623845

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CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/in/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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