

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: 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.: 1244999

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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1623837
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABRAEB
Product key	ABRAEB
Catalog page	Page 85 (C-2-2019)
GTIN	4055626228402
Weight per piece (including packing)	90,6 g
Weight per piece (excluding packing)	90,6 g
Customs tariff number	85366990
Country of origin	DE

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

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
--------------------	---

Product properties

Product type	Circular connector (cable-side)
Data management status	
Article revision	05

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
Insertion/withdrawal cycles	100
Connection method	Crimp connection
Contact switching 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 mm²
Litz wire cross-section Power contacts max.	1 mm²
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	II
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm²
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	8 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

Overvoltage category	III
Degree of pollution	3
Installation height	2000 m

Housing

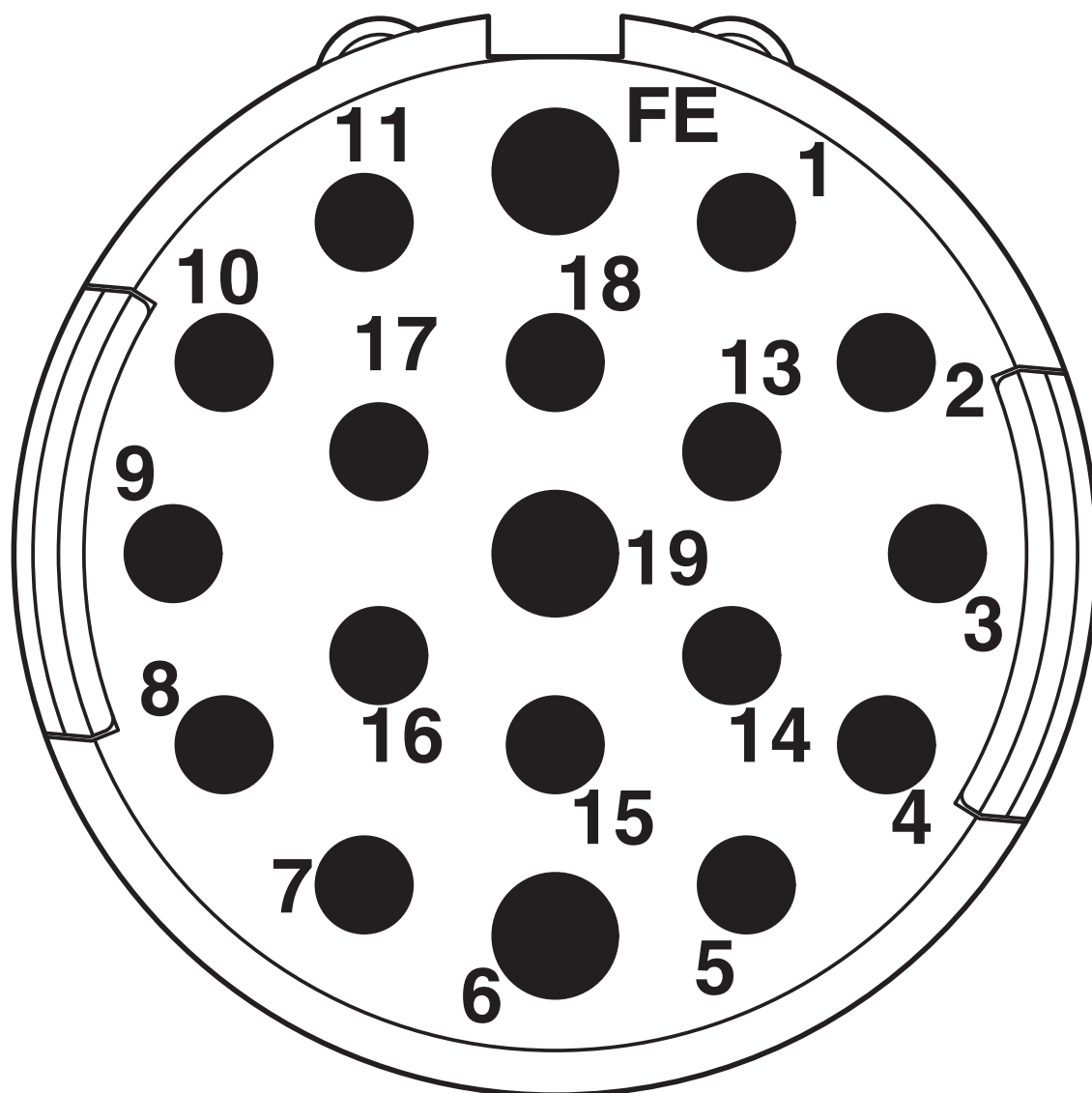
Housing material	CuZn, GD-Zn
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

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

Drawings

Schematic diagram



Connector pin assignment

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1623837>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	6 A	18 - 18	-
Signal	48 V	5 A	18 - 18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	10 A	18 - 18	-
Signal	48 V	8 A	18 - 18	-

cULus Recognized				
-------------------------	--	--	--	--

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	a0d936f0-8c3f-446f-9532-ffe17aba87ab

CA-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

Accessories

RC-15P2010 - Crimp contact

1623776

<https://www.phoenixcontact.com/be/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/be/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-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

RC-15P2030 - Crimp contact

1623778

<https://www.phoenixcontact.com/be/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/be/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-1RP1N8A80DNS - Cable connector



1623837

<https://www.phoenixcontact.com/be/products/1623837>

RC-15P2300 - Crimp contact

1627291

<https://www.phoenixcontact.com/be/products/1627291>



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/be/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-1RP1N8A80DNS - Cable connector

1623837

<https://www.phoenixcontact.com/be/products/1623837>



RC-15P2100 - Crimp contact

1623780

<https://www.phoenixcontact.com/be/products/1623780>



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

RF-Z0014 - Color coding

1620588

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

Color coding, color: green



CA-1RP1N8A80DNS - Cable connector



1623837

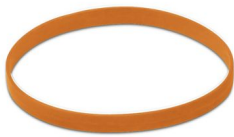
<https://www.phoenixcontact.com/be/products/1623837>

RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



CA-1RP1N8A80DNS - Cable connector

1623837

<https://www.phoenixcontact.com/be/products/1623837>



RF-Z0003 - Square mounting flange

1607905

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

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



Torque screwdriver, series: RC, UC, SH, SF

CA-1RP1N8A80DNS - Cable connector

1623837

<https://www.phoenixcontact.com/be/products/1623837>



SF-Z0027 - Hook wrench

1607455

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



Hook wrench, series: RC, UC, RF, SF

RF-Z0007 - Special wrench

1614347

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



Special wrench, series: RF

CA-1RP1N8A80DNS - Cable connector

1623837

<https://www.phoenixcontact.com/be/products/1623837>



CA-Z0077 - Metal protective cap

1627224

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

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/be/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT nv/sa
Minervastraat 10-12
1930 Zaventem-Keiberg II
+32 (0)2/723 98 11
info@phoenixcontact.be