

CA-1RP1N8A8006S - Cable connector



1623835

<https://www.phoenixcontact.com/be/products/1623835>

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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: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244997

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	1623835
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	4055626228419
Weight per piece (including packing)	92,1 g
Weight per piece (excluding packing)	92 g
Customs tariff number	85366990
Country of origin	DE

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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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Data management status

Article revision	05
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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
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 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	II
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

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Overvoltage category	III
Degree of pollution	3
Installation height	2000 m

Housing

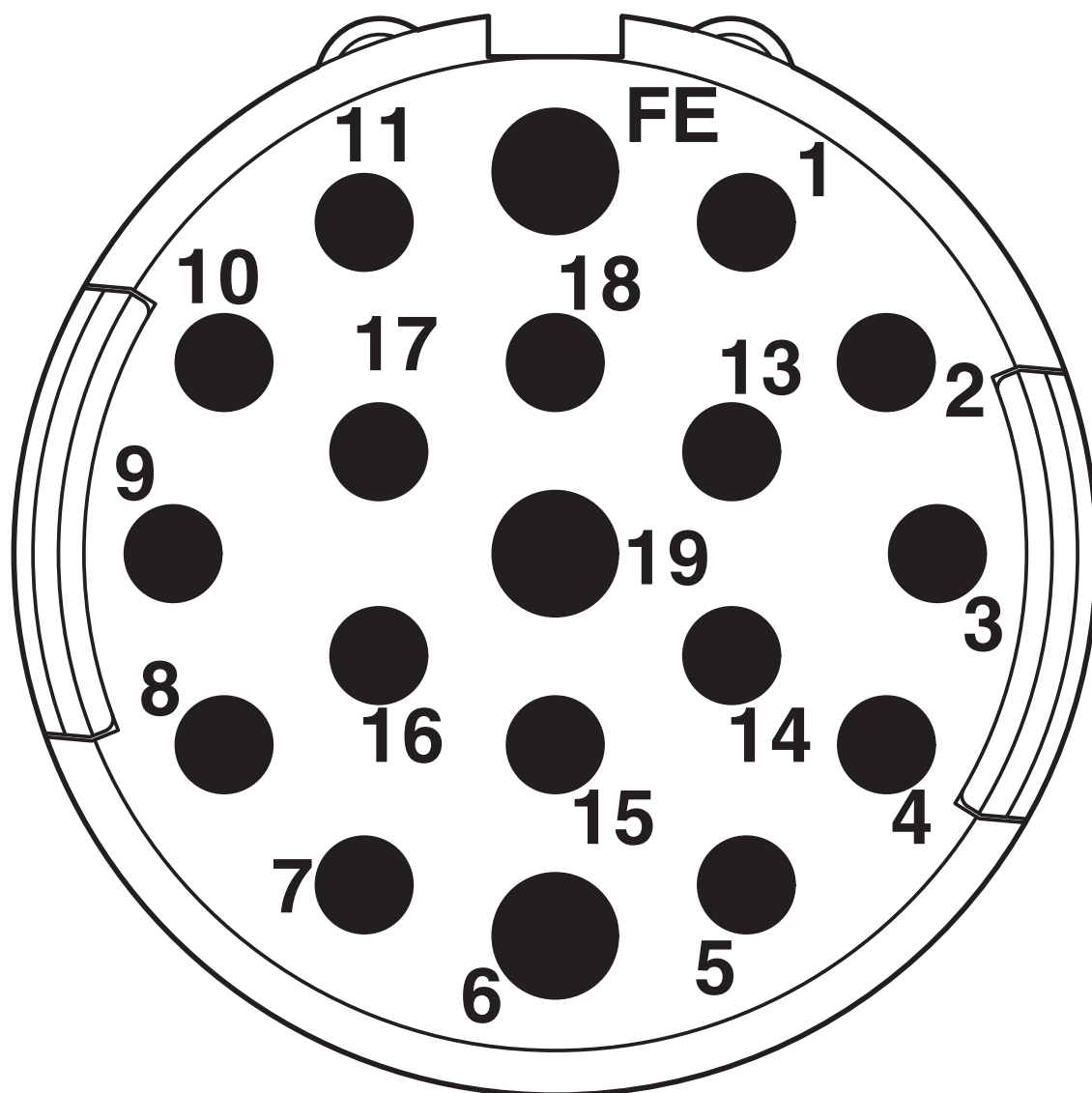
Housing material	CuZn, GD-Zn
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

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

Drawings

Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1623835>

 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				
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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	906f9544-7cd4-4a7b-923e-a4ffc3aaba96

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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

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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

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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/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

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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



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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



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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

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SF-Z0027 - Hook wrench

1607455

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

RF-Z0007 - Special wrench

1614347

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Special wrench, series: RF

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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

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