

CA-17F1N8A8503S - Cable connector



1619458

<https://www.phoenixcontact.com/us/products/1619458>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243576

Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619458
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
Catalog page	Page 110 (C-2-2019)
GTIN	4046356823890
Weight per piece (including packing)	91.9 g
Weight per piece (excluding packing)	91.9 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order 17 x 1 mm crimp contacts separately
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Product properties

Product type	Circular connector (cable-side)
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Connector

Connection 1

Head design	Socket
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Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Feedback, signal
	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Contact diameter	1 mm
Litz wire cross-section	Signal contacts min. 0.06 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

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

Seal

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

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Environmental and real-life conditions

Ambient conditions

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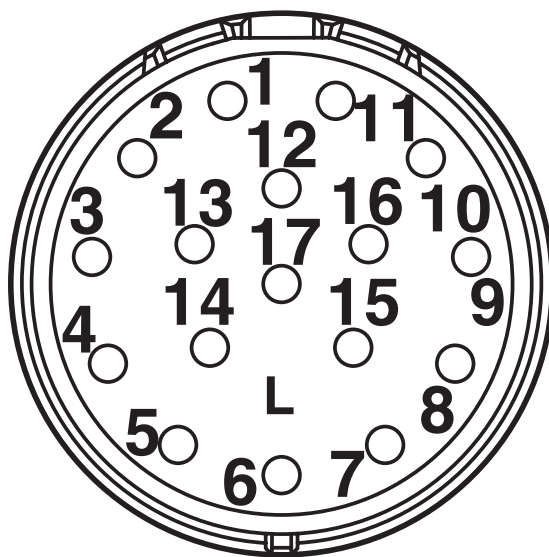


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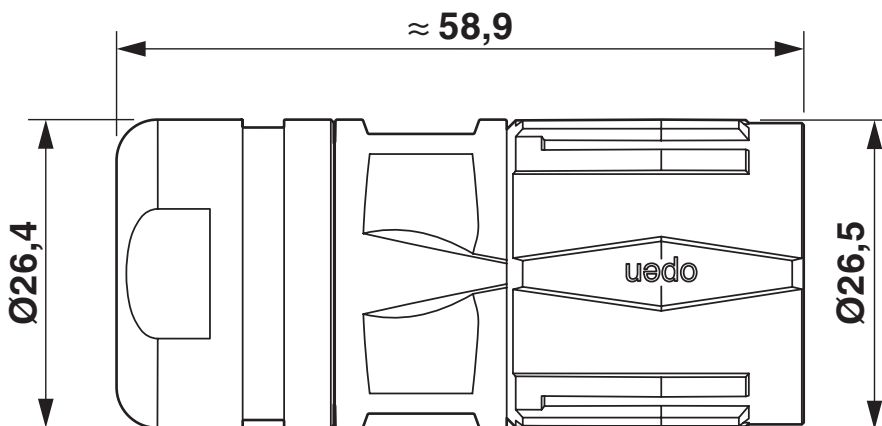
Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), standard socket

Dimensional drawing



Technical drawings can be found under Downloads

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619458>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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	8 A	- 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	ec8731af-bd10-4ec6-8614-affa450fb3ec

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Accessories

SF-6CS2000 - Crimp contact

1605562

<https://www.phoenixcontact.com/us/products/1605562>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

SF-10KS004 - Crimp contact

1607356

<https://www.phoenixcontact.com/us/products/1607356>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

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SF-6AS2000 - Crimp contact

1605557

<https://www.phoenixcontact.com/us/products/1605557>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

RF-Z0014 - Color coding

1620588

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

Color coding, color: green



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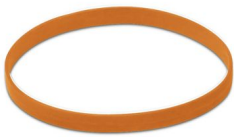
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RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



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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

SF-Z0028 - Torque screwdriver

1607456

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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

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

1577206

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



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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com