CA-12M1N8A85DUS - Cable connector

1619471

https://www.phoenixcontact.com/us/products/1619471

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.



The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1629208

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	1619471
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
GTIN	4046356823760
Weight per piece (including packing)	96.7 g
Weight per piece (excluding packing)	90.228 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
Order information:	When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786600)

Product properties

Product type	Circular connector (cable-side)

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number (Signal contacts)	12
Contact diameter (Signal contacts)	1 mm
Litz wires Min. cross section (Signal contacts)	0.06 mm²
Litz wires Max. cross section (Signal contacts)	1 mm²
Rated current Contact (Signal contacts)	8 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	SPEEDCON
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP67

Seal

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

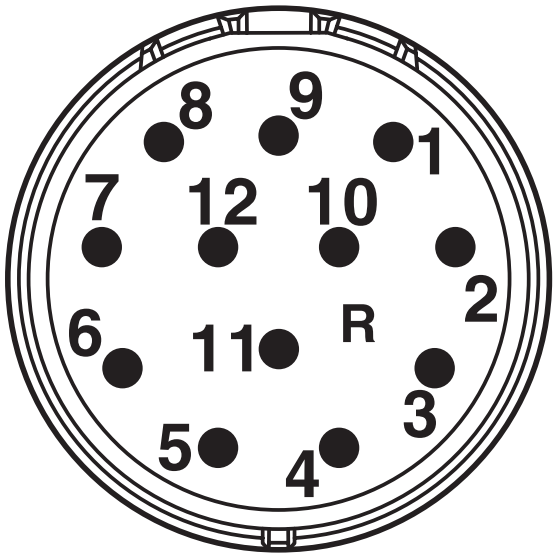
Environmental and real-life conditions

Ambient conditions

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

Drawings

Schematic diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619471

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	6 A	18	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	8 A	18	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

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