

# CA-12M2N8A95DU - Coupler connector



1620017

<https://www.phoenixcontact.com/us/products/1620017>

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

M23, Coupler connector, application: Signal, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Counter direction, 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: 1329285

## 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1620017
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
GTIN	4046356819787
Weight per piece (including packing)	96.7 g
Weight per piece (excluding packing)	90.75 g
Customs tariff number	85366990
Country of origin	DE

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## 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)
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### 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	Counter direction
Connection profile	12
Number (Signal contacts)	12
Contact diameter (Signal contacts)	1 mm
Litz wires Min. cross section (Signal contacts)	0.06 mm <sup>2</sup>
Litz wires Max. cross section (Signal contacts)	1 mm <sup>2</sup>
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	Coupling housing
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

#### Seal

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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
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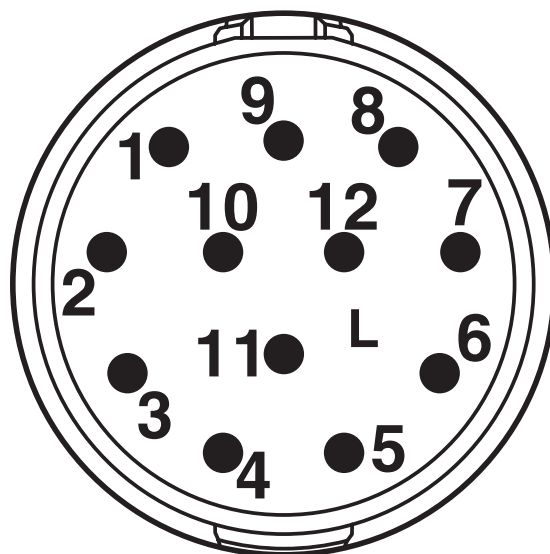


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## Drawings

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620017>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	48 V	6 A	18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
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	48 V	8 A	18	-

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	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, No exemptions
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### 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%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)