

# RC-12P1X8A80EM - Cable connector



1617831

<https://www.phoenixcontact.com/us/products/1617831>

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, application: Signal, straight, Screw locking mechanism, Crimp connection, cable diameter range: 3 mm ... 10.5 mm

## Commercial data

Item number	1617831
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356878609
Weight per piece (including packing)	69.3 g
Weight per piece (excluding packing)	68.7 g
Country of origin	DE

# RC-12P1X8A80EM - Cable connector



1617831

<https://www.phoenixcontact.com/us/products/1617831>

## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

### Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

### Connector

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Connection method	Crimp connection
Application	Signal
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC

#### Housing

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65
	IP67
	IP68

#### Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

# RC-12P1X8A80EM - Cable connector



1617831

<https://www.phoenixcontact.com/us/products/1617831>

## Classifications

### UNSPSC

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

# RC-12P1X8A80EM - Cable connector



1617831

<https://www.phoenixcontact.com/us/products/1617831>

## 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)
-------------------------------------	----------------------

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](mailto:info@phoenixcon.com)