

RC-07P1N8AT0EM - Cable connector



1594489

<https://www.phoenixcontact.com/us/products/1594489>

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 12-pos. product version

M23, Cable connector, application: Signal, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 10.5 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.

Commercial data

Item number	1594489
Packing unit	8 pc
Minimum order quantity	8 pc
Sales key	AB31
Product key	ABRAFC
GTIN	4046356201698
Weight per piece (including packing)	151.76 g
Weight per piece (excluding packing)	137.568 g
Customs tariff number	85366990
Country of origin	DE

RC-07P1N8AT0EM - Cable connector



1594489

<https://www.phoenixcontact.com/us/products/1594489>

Technical data

Notes

Order information:	Order crimp contacts Ø 2 mm separately
--------------------	--

Product properties

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

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Flammability rating according to UL 94	V0
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Number (Contact group 1)	7
Contact diameter (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	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	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

Seal

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

RC-07P1N8AT0EM - Cable connector



1594489

<https://www.phoenixcontact.com/us/products/1594489>

Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)
--

50 % ... 65 %

RC-07P1N8AT0EM - Cable connector

1594489

<https://www.phoenixcontact.com/us/products/1594489>



Drawings

Schematic diagram



Connector pin assignment

RC-07P1N8AT0EM - Cable connector



1594489

<https://www.phoenixcontact.com/us/products/1594489>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
-----------	----------

UNSPSC

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

RC-07P1N8AT0EM - Cable connector



1594489

<https://www.phoenixcontact.com/us/products/1594489>

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	f77383e6-a54a-4d32-950a-b55ce832ad41

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