

RC-1RS1NRA80EP - Cable connector



1603251

<https://www.phoenixcontact.com/pc/products/1603251>

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M23, Cable connector, straight, shielded: no, Screw locking mechanism, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N

Commercial data

Item number	1603251
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356244435
Weight per piece (including packing)	69.91 g
Weight per piece (excluding packing)	69.91 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
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Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
Coding	N
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Contact diameter Power contacts	1.5 mm
Rated current Power contacts	10 A
Note	for max. connection cross section
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	II
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per signal contact	8 A
Overvoltage category	II
Degree of pollution	3

Housing

Order information:	Order contact inserts separately
Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP65 IP67

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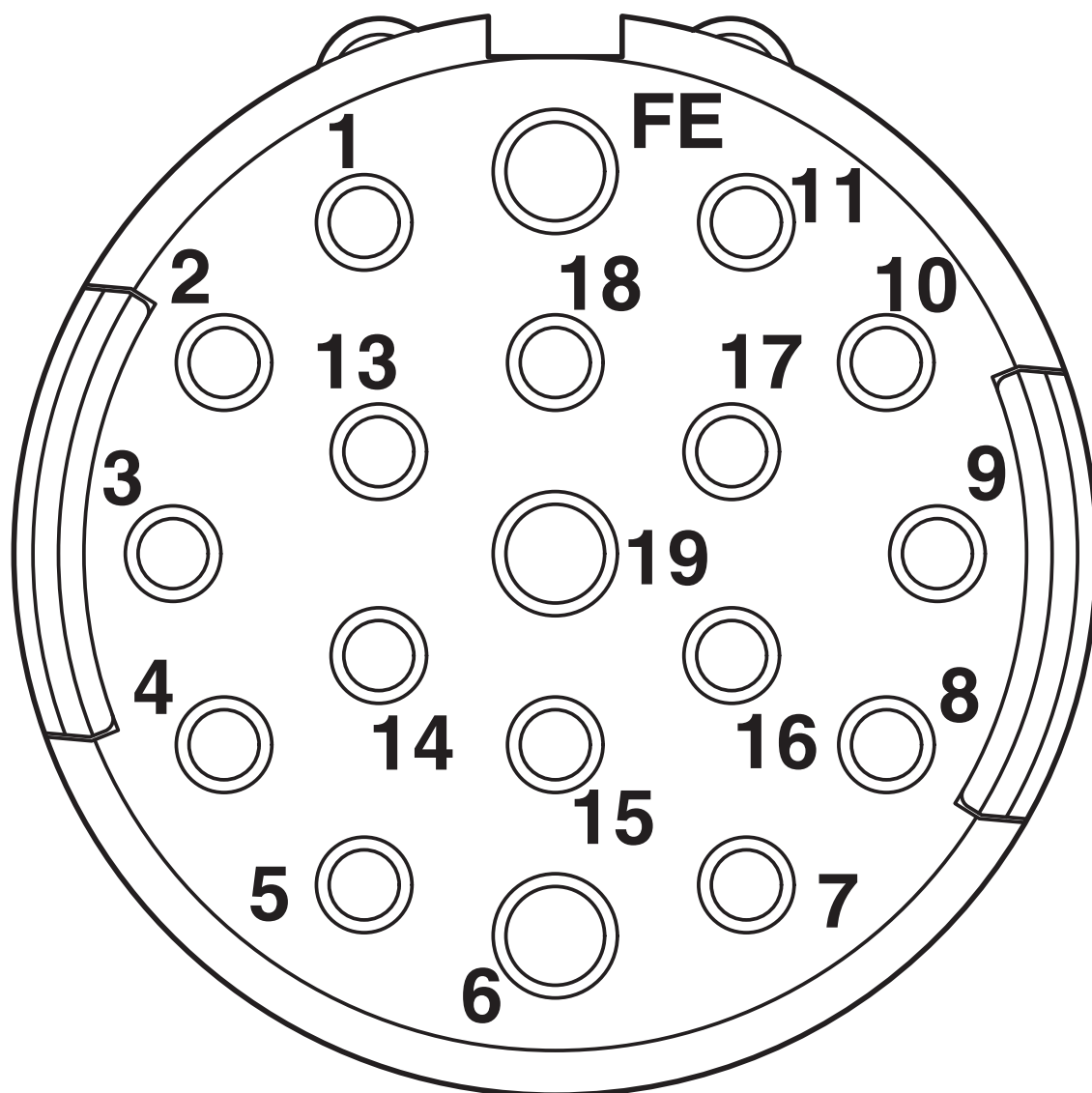
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	IP68
Thread type	M23
Seal	
External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

Drawings

Schematic diagram



Connector pin assignment

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Accessories

RC-6LS2000 - Crimp contact

1603823

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Crimp contact, turned, contact diameter: 1 mm, crimp range: 0.25 mm² ... 0.5 mm²

RC-6ES2000 - Crimp contact

1603805

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Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.75 mm² ... 1 mm²

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RC-6FS2000 - Crimp contact

1603811

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Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.75 mm² ... 1 mm²



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PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com