

UC-1RS1NRANNAD - Cable connector



1612800

<https://www.phoenixcontact.com/us/products/1612800>

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The figure shows the 12-pos.
product version

M23, Cable connector, application: Signal, series: UC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 13.5 mm ... 14.5 mm, coding: N

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1612800 |
| Packing unit | 8 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAIC |
| GTIN | 4046356396844 |
| Weight per piece (including packing) | 171.78 g |
| Weight per piece (excluding packing) | 171.78 g |
| Country of origin | DE |

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Technical data

Product properties

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

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 |
| Material (Insulating body) | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 19 |
| Direction of rotation | Standard |
| Connection profile | 16+2+FE |
| Number (Contact group 1) | 3 |
| Contact diameter (Contact group 1) | 1.5 mm |
| Rated current Contact (Contact group 1) | 10 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 | II |
| Degree of pollution | 3 |
| Number (Contact group 2) | 16 |
| Contact diameter (Contact group 2) | 1 mm |
| Litz wires Max. cross section (Contact group 2) | 1 mm ² |
| Rated current Contact (Contact group 2) | 8 A |
| Overvoltage category | II |
| Degree of pollution | 3 |

Housing

| | |
|-----------------------------------|----------------------------------|
| Order information: | Order contact inserts separately |
| Type | Cable connector housing |
| Thread type | M23 |
| Design | angled |
| Type of locking | Screw locking mechanism |
| Pg screw connection | Pg16 |
| Material (Housing) | GD-Zn |
| Material (Housing surface) | Ni |
| Material (Rotating parts) | CuZn |
| Degree of protection (plugged in) | IP67 |

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Seal

| | |
|-------------------------|---------------------|
| External cable diameter | 13.5 mm ... 14.5 mm |
| Seal material | FPM |

Drawings

Schematic diagram



Connector pin assignment

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