

RC-06P1N12K096 - Cable connector



1593305

<https://www.phoenixcontact.com/us/products/1593305>

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The figure shows the 12-pos.
product version

M23, Cable connector, application: Signal, series: RC, straight plastic-sheathed, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 9.5 mm ... 10.5 mm, coding: N

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1593305 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAFA |
| GTIN | 4046356195447 |
| Weight per piece (including packing) | 51.31 g |
| Weight per piece (excluding packing) | 51.31 g |
| Country of origin | DE |

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Technical data

Product properties

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

Connector

Insulating body

| | |
|---|--|
| Coding | N |
| Material (Insulating body) | PBT |
| Material (Contact) | CuZn |
| Material (Contact surface) | Ni/Au |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder cup |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Number (Contact group 1) | 6 |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm ² |
| Litz wires Max. cross section (Contact group 1) | 2.5 mm ² |
| 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 | straight plastic-sheathed |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Material (Housing) | GD-Zn |
| Material (Rotating parts) | CuZn |
| Degree of protection (plugged in) | IP67 |

Seal

| | |
|-------------------------|--------------------|
| External cable diameter | 9.5 mm ... 10.5 mm |
|-------------------------|--------------------|

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Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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