

RC-12P1N8D80L6 - Cable connector



1597639

<https://www.phoenixcontact.com/us/products/1597639>

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M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 9.5 mm ... 10.5 mm, coding: N

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1597639 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAFA |
| GTIN | 4046356217248 |
| Weight per piece (including packing) | 77.3 g |
| Weight per piece (excluding packing) | 70.64 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) | PA 6.6 |
| Material (Contact) | CuZn |
| Material (Contact surface) | Ni/Au |
| Insertion/withdrawal cycles | 50 |
| Connection method | Crimp connection |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 12 |
| Direction of rotation | Standard |
| Connection profile | 12 |
| Number (Contact group 1) | 12 |
| Contact diameter (Contact group 1) | 1 mm |
| Litz wires Min. cross section (Contact group 1) | 0.14 mm ² |
| Litz wires Max. cross section (Contact group 1) | 0.56 mm ² |
| Rated current Contact (Contact group 1) | 8 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

| | |
|-----------------------------------|----------------------------------|
| 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 | 9.5 mm ... 10.5 mm |
|-------------------------|--------------------|

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Drawings

Schematic diagram



Connector pin assignment

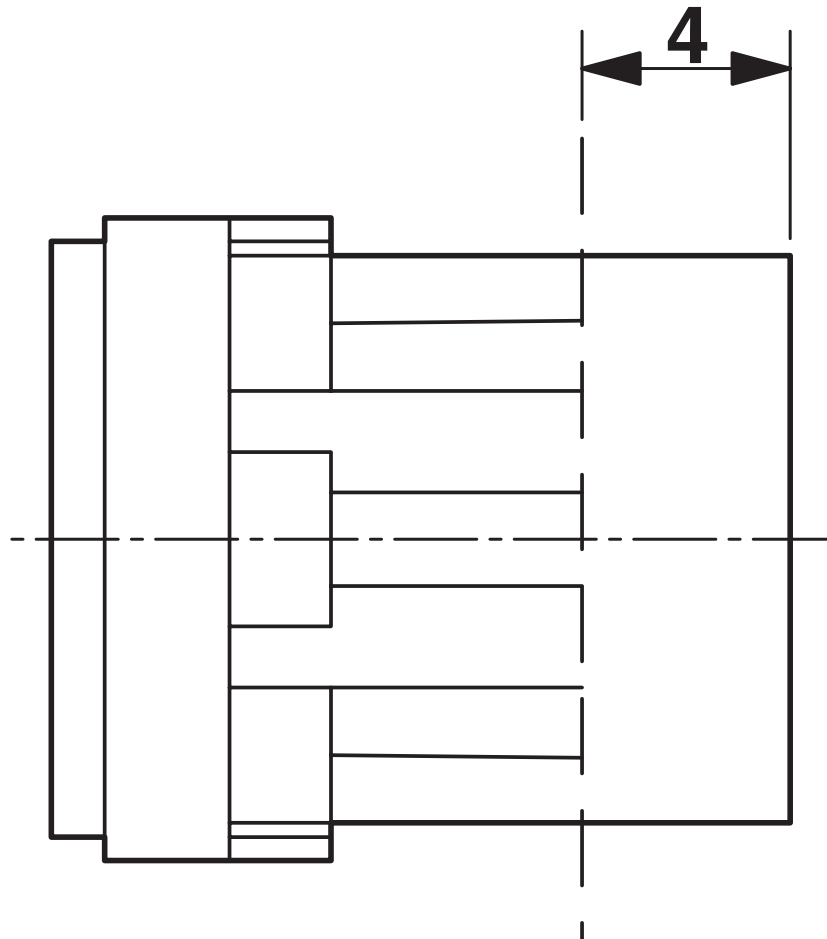
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Schematic diagram



Dimensional drawing

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