# RC-12S1N12M0EF - Coupler connector

1598878

https://www.phoenixcontact.com/us/products/1598878

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M23, Coupler connector, series: RC, straight plastic-sheathed, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 5.5 mm ... 6.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241024

## Commercial data

| | |
|---|---|
| Item number | 1598878 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB31 |
| Product key | ABRAFG |
| GTIN | 4046356223010 |
| Weight per piece (including packing) | 48.17 g |
| Weight per piece (excluding packing) | 47.52 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Product properties

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

### Connector

Insulating body

| | |
|---|---|
| Coding | N |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder cup |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 12 |
| Direction of rotation | Standard |
| Connection profile | 12 |
| Contact diameter Power contacts | 1 mm |
| Litz wire cross-section Power contacts min. | 0.08 mm² |
| Litz wire cross-section Power contacts max. | 1 mm² |
| Rated current Power contacts | 8 A |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

Housing

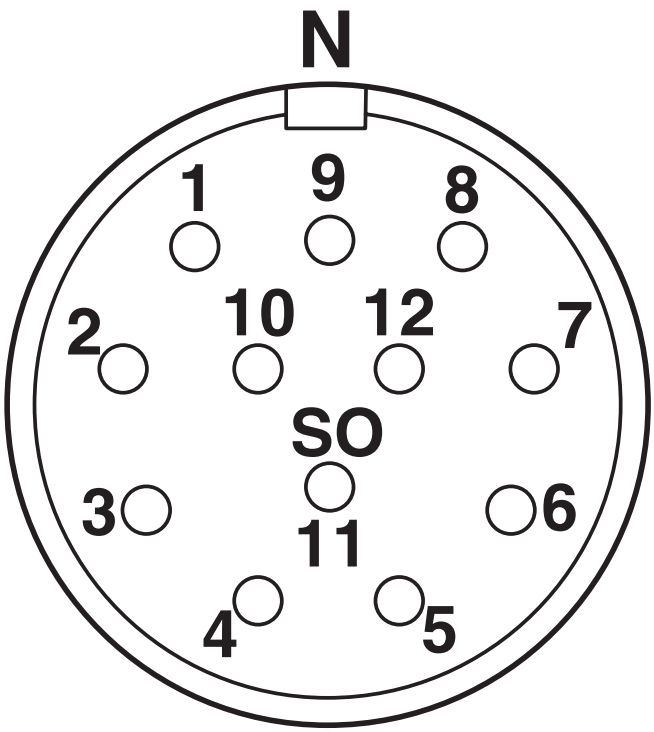
| | |
|---|---|
| Housing material | Metal |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

Seal

| | |
|---|---|
| External cable diameter | 5.5 mm ... 6.5 mm |
| Seal material | NBR |

## Drawings

Schematic diagram




Connector pin assignment

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

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|---|---|
| ETIM 8.0 | EC002635 |

### UNSPSC

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

## 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 | 4964e0d5-69cc-4871-88f5-49f039627811 |


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