

RC-12S1N121700 - Cable connector

1598497

<https://www.phoenixcontact.com/us/products/1598497>



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M23, Cable connector, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder cup, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240960

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1598497 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB31 |
| Product key | ABRAFA |
| GTIN | 4046356220903 |
| Weight per piece (including packing) | 79.92 g |
| Weight per piece (excluding packing) | 79.92 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Thread type | M23 |

Material specifications

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Connection data

| | |
|----------------------|-------------------|
| Conductor connection | |
| Connection method | Solder connection |

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 mm ² |
| Litz wire cross-section Power contacts max. | 1 mm ² |
| Rated current Power contacts | 8 A |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overshoot category | III |
| Degree of pollution | 3 |

Housing

| | |
|-----------------------------------|-------------------------|
| Housing material | Metal |
| Type of locking | Screw locking mechanism |
| Pg screw connection | Pg13,5 |
| Degree of protection (plugged in) | IP65 |
| | IP67 |
| Thread type | M23 |

Environmental and real-life conditions

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Ambient conditions

Degree of protection

IP67

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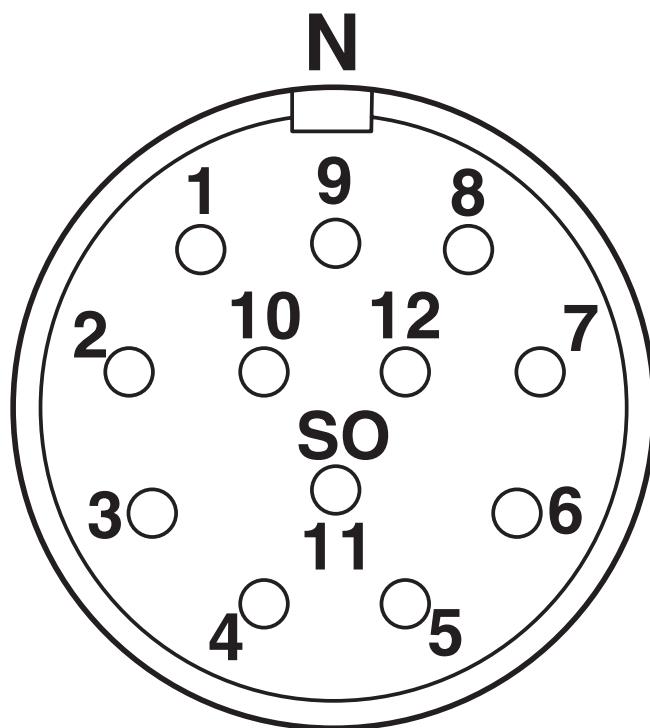
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Drawings

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440109 |
| ECLASS-12.0 | 27440109 |
| ECLASS-13.0 | 27440109 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003569 |
|----------|----------|

UNSPSC

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

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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 | f02c90be-6f02-424d-b85d-392a742360ea |

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