

# RC-17P1N121300 - Cable connector



1601198

<https://www.phoenixcontact.com/us/products/1601198>

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M23, Cable connector, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241306

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1601198       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 20 pc         |
| Sales key                            | AB31          |
| Product key                          | ABRAFA        |
| GTIN                                 | 4046356233484 |
| Weight per piece (including packing) | 72.88 g       |
| Weight per piece (excluding packing) | 72.88 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                             | Pin                  |
| Application                                        | Signal               |
| Number of positions                                | 17                   |
| Direction of rotation                              | Standard             |
| Connection profile                                 | 17                   |
| Contact diameter                                   | 1 mm                 |
| <b>Power contacts</b>                              |                      |
| Litz wire cross-section <b>Power contacts</b> min. | 0.08 mm <sup>2</sup> |
| Litz wire cross-section <b>Power contacts</b> max. | 1 mm <sup>2</sup>    |
| Rated current <b>Power contacts</b>                | 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) | IP65                    |
|                                   | IP67                    |
| Thread type                       | M23                     |

### Environmental and real-life conditions

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Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

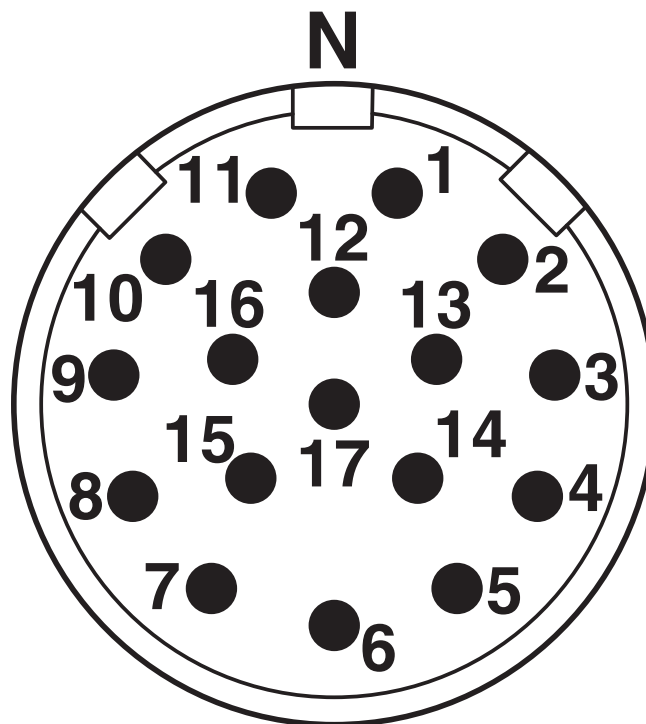
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## Drawings

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 8.0 | 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                                | 25d3b421-ff89-4f3f-b656-1dd40055e592 |

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## Accessories

### PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/us/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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