

# RC-19S1N121200 - Cable connector



1602754

<https://www.phoenixcontact.com/us/products/1602754>

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The figure shows the 12-pos. product version, with standard DIN cable gland

M23, Cable connector, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, coding: N

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1602754                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAFA                         |
| GTIN                                 | 4046356241380                  |
| Weight per piece (including packing) | 86.58 g                        |
| Weight per piece (excluding packing) | 86.58 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                     | 100                                      |
| Connection method                               | Solder cup                               |
| Contact switching type                          | Socket                                   |
| Application                                     | Signal                                   |
| Number of positions                             | 19                                       |
| Direction of rotation                           | Standard                                 |
| Connection profile                              | 16+3                                     |
| Number (Contact group 1)                        | 3  |
| Contact diameter (Contact group 1)              | 1.5 mm                                   |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm <sup>2</sup>                     |
| Litz wires Max. cross section (Contact group 1) | 1 mm <sup>2</sup>                        |
| Rated current Contact (Contact group 1)         | 10 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1)         | 48 V AC<br>74 V DC                       |
| Rated surge voltage                             | 1.5 kV                                   |
| Overvoltage category                            | III                                      |
| Degree of pollution                             | 3  |
| Number (Contact group 2)                        | 16                                       |
| Contact diameter (Contact group 2)              | 1 mm                                     |
| Litz wires Max. cross section (Contact group 2) | 1 mm <sup>2</sup>                        |
| Rated current Contact (Contact group 2)         | 8 A                                      |
| Number (Contact group 3)                        | 1  |
| Contact diameter (Contact group 3)              | 1.5 mm                                   |
| Rated current Contact (Contact group 3)         | 8 A                                      |

#### Housing

|                     |                         |
|---------------------|-------------------------|
| Type                | Cable connector housing |
| Thread type         | M23                     |
| Design              | straight                |
| Type of locking     | Screw locking mechanism |
| Pg screw connection | Pg11                    |
| Material (Housing)  | GD-Zn                   |

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|                                   |      |
|-----------------------------------|------|
| Material (Housing surface)        | Ni   |
| Material (Rotating parts)         | CuZn |
| Degree of protection (plugged in) | IP65 |
|                                   | IP67 |
|                                   | IP68 |

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## Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)