

# RC-17P1N8AK093 - Cable connector



1601577

<https://www.phoenixcontact.com/us/products/1601577>

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M23, Cable connector, series: RC, straight plastic-sheathed, shielded: yes, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 7.5 mm ... 9.5 mm, coding: N

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1601577                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAFA                         |
| GTIN                                 | 4046356235495                  |
| Weight per piece (including packing) | 55.5 g                         |
| Weight per piece (excluding packing) | 55.5 g                         |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                        |
|--------------------|----------------------------------------|
| Order information: | Order crimp contacts Ø 1 mm separately |
|--------------------|----------------------------------------|

### Product properties

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

### Connector

#### Insulating body

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Note                                    | Order information: Order crimp contacts Ø 1 mm separately |
| Coding                                  | N                                                         |
| Material (Insulating body)              | PA 6.6                                                    |
| Connection method                       | Crimp connection                                          |
| Contact switching type                  | Pin                                                       |
| Application                             | Signal                                                    |
| Number of positions                     | 17                                                        |
| Direction of rotation                   | Standard                                                  |
| Connection profile                      | 17                                                        |
| Number Contact (Contact group 1)        | 17                                                        |
| Diameter Contact (Contact group 1)      | 1 mm                                                      |
| Rated current Contact (Contact group 1) | 8 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                                                         |

#### Housing

|                                   |                           |
|-----------------------------------|---------------------------|
| Type                              | Cable connector housing   |
| Thread type                       | M23                       |
| Design                            | straight plastic-sheathed |
| Type of locking                   | Screw locking mechanism   |
| Pg screw connection               | none                      |
| Material (Housing)                | GD-Zn                     |
| Material (Rotating parts)         | CuZn                      |
| Degree of protection (plugged in) | IP67                      |

#### Seal

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 7.5 mm ... 9.5 mm |
|-------------------------|-------------------|

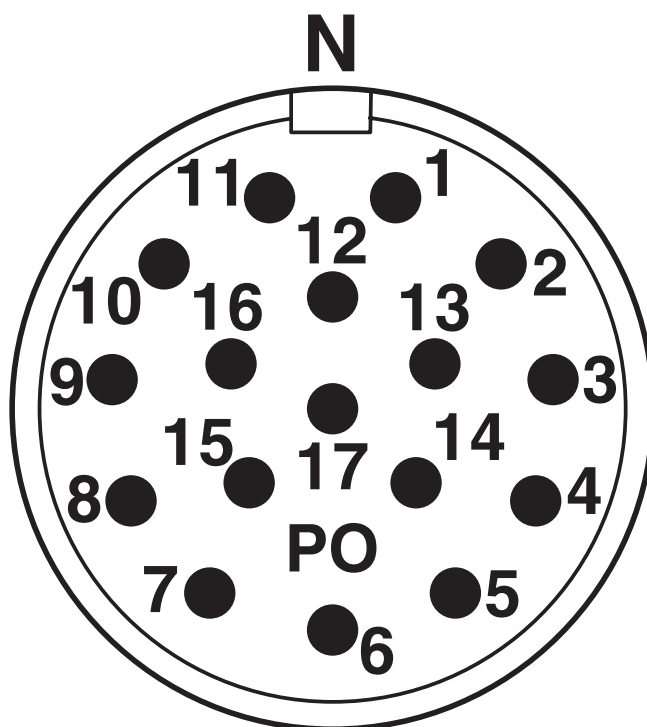
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121413 |
|-------------|----------|

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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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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