



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Coupler connector - RF-16P1N8A90DU - 1613759

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Coupler connector, straight, Screw locking, M23, Number of positions: 16, Type of contact: Male connector, Crimp connection, Shielded: Yes, Cable cross section: 5 mm...13.2 mm

The figure shows the 12-pos. product version



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 1       |
| Weight per Piece (excluding packing) | 94.11 GRM |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### General

|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Note                                               | Order information Order crimp contacts Ø 1 mm separately |
| Type of locking                                    | Screw locking                                            |
| Direction of rotation of contact chamber numbering | Standard                                                 |
| Coding                                             | N                                                        |
| Contact connection method                          | Crimp connection                                         |
| Type of contacts                                   | Male connector                                           |
| Number of positions                                | 16                                                       |
| Contact diameter of power contacts                 | 1 mm                                                     |
| Nominal current per power contact at 25°C          | 8 A                                                      |
| Conductor entry                                    | 5 mm ... 13.2 mm                                         |

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -20 °C ... 125 °C |
| Degree of protection | IP67              |

#### Material

# Coupler connector - RF-16P1N8A90DU - 1613759

## Technical data

### Material

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material         | PA 66                                                                |
| Gasket and O-ring material | FPM                                                                  |

### Specifications according to DIN EN 61984:2001

|                                               |        |
|-----------------------------------------------|--------|
| Installation height max.                      | 2000 m |
| Nominal / operating voltage of power contacts | 100 V  |
| Rated surge voltage of power contacts         | 1.5 kV |
| Surge voltage category of power contacts      | III    |
| Pollution degree of power contacts            | 3      |
| Surge voltage category of signal contacts     | III    |
| Pollution degree of signal contacts           | 3      |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260708 |
| eCl@ss 7.0 | 27440312 |
| eCl@ss 8.0 | 27440312 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC002635 |

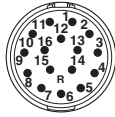
### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

## Drawings

## Coupler connector - RF-16P1N8A90DU - 1613759

Schematic diagram



Dimensioned drawing

