

# CUC-V06-C1PGY-S/R4CEA:1 - RJ45 connector



1414406

<https://www.phoenixcontact.com/us/products/1414406>

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RJ45 connector, design: RJ45, degree of protection: IP67, number of positions: 2, 10 Gbps, CAT6<sub>A</sub>, material: Plastic, connection method: Crimp connection, connection cross section: AWG 24- 27, cable outlet: straight, color: gray, Ethernet/PROFINET

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1414406       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB17          |
| Product key                          | ABNNAB        |
| GTIN                                 | 4055626028279 |
| Weight per piece (including packing) | 18.35 g       |
| Weight per piece (excluding packing) | 15.974 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

## Technical data

### Product properties

|                      |                             |
|----------------------|-----------------------------|
| Product type         | Data connector (cable side) |
| Type                 | RJ45                        |
| Number of positions  | 2                           |
| Connection profile   | RJ45                        |
| No. of cable outlets | 1                           |
| Shielded             | yes                         |
| Cable outlet         | straight                    |

### Insulation characteristics

|                      |   |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution  | 2 |

### Electrical properties

|                                         |                   |
|-----------------------------------------|-------------------|
| Rated voltage (III/3)                   | 72 V (DC)         |
| Rated current                           | 1 A               |
| Frequency range                         | to 500 MHz        |
| Nominal voltage $U_N$                   | 72 V (DC)         |
| Nominal current $I_N$                   | 1.75 A            |
| Transmission medium                     | Copper            |
| Transmission speed                      | 10 Gbps (500 MHz) |
| Transmission characteristics (category) | CAT6 <sub>A</sub> |
| Transmission speed                      | 10 Gbps           |

### Connection data

#### Connection technology

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| Connection method            | Crimp connection                                       |
| Connection cross section AWG | 24 ... 27 (flexible)                                   |
| Conductor cross-section      | 0.1 mm <sup>2</sup> ... 0.2 mm <sup>2</sup> (flexible) |

### Interfaces

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Signal type/category | Ethernet/PROFINET CAT6 <sub>A</sub> , 10 Gbps (500 MHz) |
|----------------------|---------------------------------------------------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 38.4 mm |
| Height | 19.9 mm |
| Length | 53 mm   |

### Material specifications

|                                        |         |
|----------------------------------------|---------|
| Color                                  | gray    |
| Flammability rating according to UL 94 | V0      |
| Housing material                       | Plastic |

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|                          |                 |
|--------------------------|-----------------|
| Cable seal material      | NBR             |
| Contact material         | Phosphor bronze |
| Contact surface material | Gold            |
| Contact carrier material | PC              |
| O-ring material          | FPM             |

## Cable/line

|                         |                     |
|-------------------------|---------------------|
| External cable diameter | 5 mm ... 8.5 mm     |
| Cable cross section     | 0.1 mm <sup>2</sup> |

## Mechanical properties

### Mechanical data

|                             |        |
|-----------------------------|--------|
| Insertion/withdrawal cycles | ≥ 1000 |
|-----------------------------|--------|

## Environmental and real-life conditions

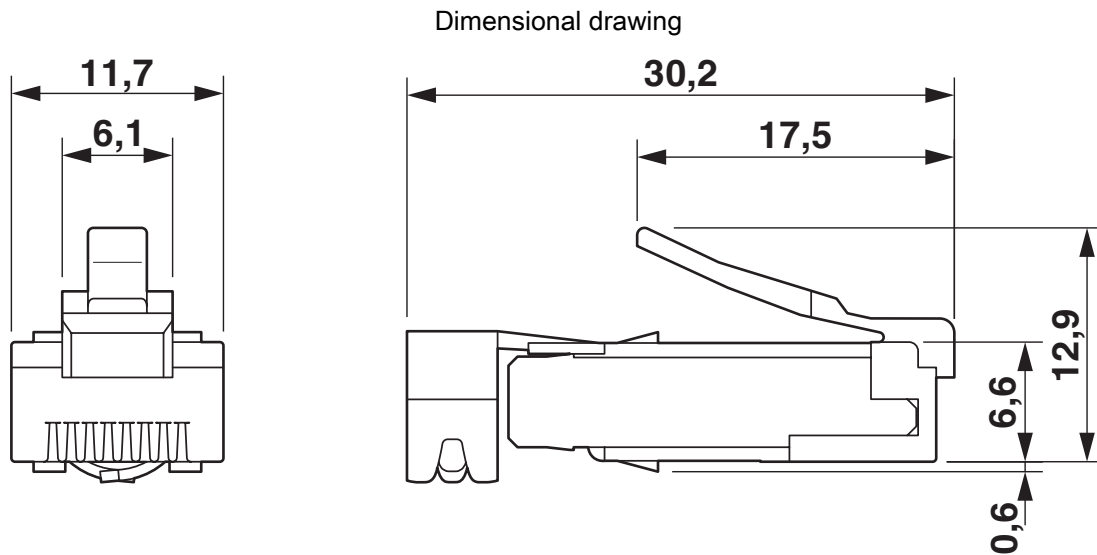
### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP67             |
| Ambient temperature (operation) | -25 °C ... 60 °C |

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## Drawings



RJ45 male insert

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440390 |
| ECLASS-15.0 | 27440114 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002636 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| REACH candidate substance (CAS No.) | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1) |
| SCIP                                | 9f9dbbdc-71ed-4a2c-b3d7-3d4002efb2bc                        |

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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)