

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



1414406

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

1414406

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

## 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

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



1414406

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

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

## Cable/line

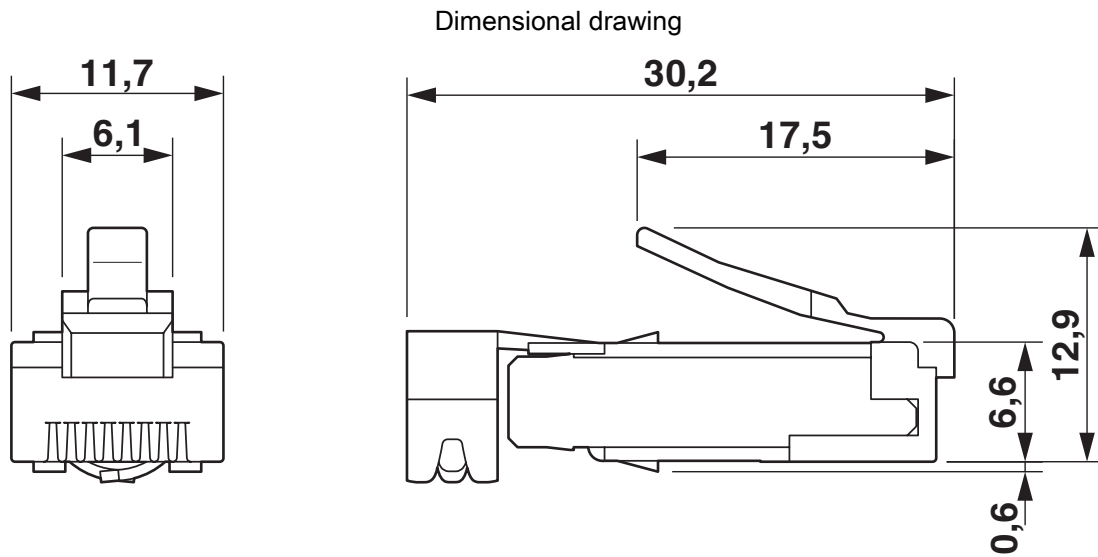
Signal type/category	Ethernet/PROFINET CAT6 <sub>A</sub> , 10 Gbps (500 MHz)
External cable diameter	5 mm ... 8.5 mm
Cable cross section	0.1 mm <sup>2</sup>

## Mechanical properties

### Mechanical data

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

Drawings



RJ45 male insert

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



1414406

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

## Classifications

### ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440114

### ETIM

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

### UNSPSC

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

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



1414406

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

## 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

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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