

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



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

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## 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)
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### 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

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
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## Environmental and real-life conditions

### Ambient conditions

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

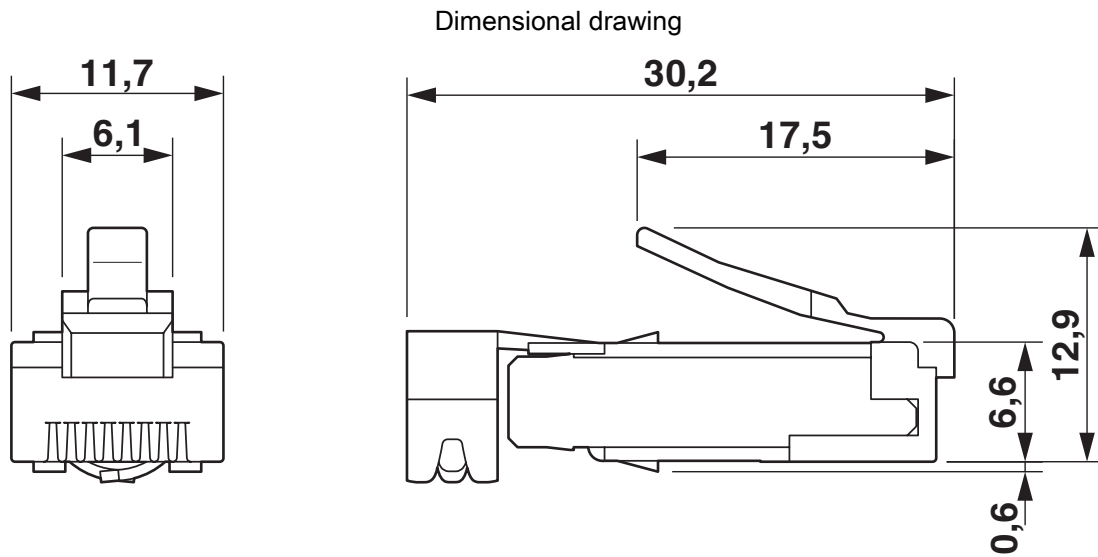
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## Drawings



RJ45 male insert

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## Classifications

### ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440114

### ETIM

ETIM 10.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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