

# CUC-V06-C1PBK-S/R4CE8:1 - RJ45 connector



1414408

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RJ45 connector, design: RJ45, degree of protection: IP67, number of positions: 8, 1 Gbps, CAT6, material: Plastic, connection method: Crimp connection, connection cross section: AWG 24- 27, cable outlet: straight, color: black, Ethernet/PROFINET

## Commercial data

Item number	1414408
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB17
Product key	ABNNAB
GTIN	4055626028309
Weight per piece (including packing)	19.8 g
Weight per piece (excluding packing)	17.62 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	8
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 250 MHz
Nominal voltage $U_N$	72 V (DC)
Nominal current $I_N$	1.75 A
Transmission medium	Copper
Transmission speed	1 Gbps (250 MHz)
Transmission characteristics (category)	CAT6
Transmission speed	1 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, 1 Gbps (250 MHz)
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### Dimensions

Width	38.4 mm
Height	53 mm
Length	19.9 mm

### Material specifications

Color	black
Flammability rating according to UL 94	V0
Seal material, O-ring	NBR

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Seal material	TPE
Housing material	Plastic
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, 1 Gbps (250 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	≥ 750
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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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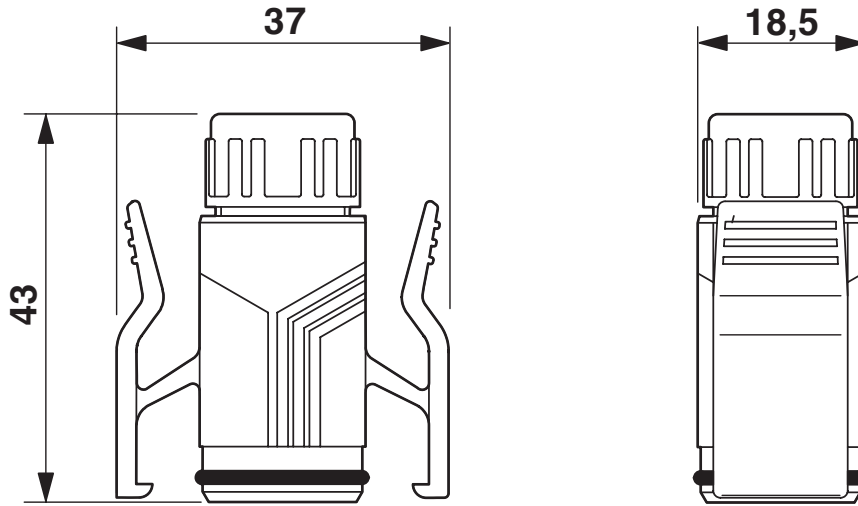
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## Drawings

Dimensional drawing



RJ45 sleeve housing IP67

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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	9a68450c-b416-479d-baef-7174c63060fc

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