

# VS-PPC-C1-RJ45-MNNA-PG9-4Q5-B - RJ45 connector



1405141

<https://www.phoenixcontact.com/us/products/1405141>

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RJ45 connector, degree of protection: IP65/IP67, number of positions: 4, CAT5 (IEC 11801:2002), material: Metal, connection method: IDC fast connection, connection cross section: AWG 26- 22, cable outlet: straight, color: silver, PROFINET

## Commercial data

Item number	1405141
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
GTIN	4046356325929
Weight per piece (including packing)	70.5 g
Weight per piece (excluding packing)	70.5 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling) and chapter 13 Application specific Cabling and Interconnection Technology (AIDA)
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### Product properties

Product type	Data connector (cable side)
Type	RJ45
Number of positions	4
Connection profile	RJ45 8(4)
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	1.75 A
Nominal voltage $U_N$	48 V
Contact resistance	0.001 $\Omega$ (Wire – IDC) 0.005 $\Omega$ (Litz wires – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

### Connection data

#### Connection technology

Connection method	IDC fast connection
Connection cross section AWG	26 ... 22 (solid) 26 ... 22 (flexible)
Conductor cross-section	0.13 mm <sup>2</sup> ... 0.32 mm <sup>2</sup> (solid) 0.14 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible)

### Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801:2002)
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### Dimensions

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Width	22 mm
Height	30 mm
Length	72 mm

## Material specifications

Color	silver
Material	Metal
Flammability rating according to UL 94	V0
Seal material, O-ring	NBR
Seal material cable seal	TPE
Seal material	NBR
Housing material	Metal
Housing surface material	nickel-plated
Cable seal material	TPE
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
O-ring material	NBR
Material for screw connection	CuZn

## Cable/line

Signal type/category	PROFINET CAT5 (IEC 11801:2002)
External cable diameter	5 mm ... 8 mm
External cable diameter	5 mm ... 8 mm

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (assembly)	-5 °C ... 45 °C

## Standards and regulations

Standards/specifications	IEC PAS 61076-3-117
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1405141>

 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
Only rigid conductors	50 V	1.75 A	- 22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

### ETIM

ETIM 10.0	EC003083
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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) 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	290a0695-ad91-4dda-acc9-838b8742ba2e

### EF3.1 Climate Change

CO2e kg	1.249 kg CO2e
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