

# VS-PPC-C1-RJ45-POBK-PG9-4Q5 - RJ45 connector



1608126

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

## Commercial data

Item number	1608126
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
Catalog page	Page 358 (C-2-2019)
GTIN	4046356159968
Weight per piece (including packing)	32.7 g
Weight per piece (excluding packing)	31.8 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

Type	RJ45
Product type	Data connector (cable side)
Sensor type	Ethernet
Number of positions	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
Nominal current $I_N$	1 A
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)

### Dimensions

Width	22 mm
Height	30 mm

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Length	70 mm
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## Material specifications

Color	black
Material	Plastic
Flammability rating according to UL 94	V0
Seal material, O-ring	NBR
Seal material cable seal	TPE
Seal material	NBR
Seal material, pin connector pattern	NBR
Cable seal material	TPE
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
O-ring material	NBR
Material for screw connection	PA
Housing material	Plastic
Outer sheath, material	PVC
Conductor material	Tin-plated Cu litz wires

## Cable/line

Cable structure	1x4xAWG22/7, SF/TQ
External cable diameter ( )	5 mm ... 8 mm
Outer sheath, material	PVC
Cable cross section	0.4 mm <sup>2</sup>
Conductor material	Tin-plated Cu litz wires

## 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)	-10 °C ... 60 °C

## Standards and regulations

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

### ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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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)