

# VS-PPC-C1-RJ45-POBK-PG9-8I6 - RJ45 connector



1608139

<https://www.phoenixcontact.com/us/products/1608139>

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, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT6, material: Plastic, connection method: Crimp connection, cable outlet: straight, color: black, Ethernet

## Commercial data

Item number	1608139
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAB
GTIN	4046356159975
Weight per piece (including packing)	31.6 g
Weight per piece (excluding packing)	28.74 g
Customs tariff number	85366990
Country of origin	DE

1608139

<https://www.phoenixcontact.com/us/products/1608139>

## 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
Nominal voltage $U_N$	48 V
Nominal current $I_N$	1 A
Transmission medium	Copper
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT6
Transmission speed	1 Gbps

### Connection data

#### Connection technology

Connection method	Crimp connection
Connection cross section AWG	24 (solid) 26 ... 25 (flexible)
Conductor cross-section	0.2 mm <sup>2</sup> (solid) 0.14 mm <sup>2</sup> ... 0.18 mm <sup>2</sup> (flexible)

### Interfaces

Signal type/category	Ethernet CAT6, 1 Gbps
----------------------	-----------------------

### Dimensions

Width	22 mm
Height	30 mm
Length	57.7 mm

### Material specifications

Color	black
Material	Plastic

# VS-PPC-C1-RJ45-POBK-PG9-8I6 - RJ45 connector



1608139

<https://www.phoenixcontact.com/us/products/1608139>

Housing material	Plastic
Cable seal material	TPE
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC
O-ring material	NBR

## Cable/line

Signal type/category	Ethernet CAT6, 1 Gbps
External cable diameter	5 mm ... 8 mm

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 200
-----------------------------	-------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-25 °C ... 60 °C

## Standards and regulations

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

# VS-PPC-C1-RJ45-POBK-PG9-8I6 - RJ45 connector



1608139

<https://www.phoenixcontact.com/us/products/1608139>

## Classifications

### ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

### ETIM

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

### UNSPSC

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

1608139

<https://www.phoenixcontact.com/us/products/1608139>

## 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	5978630e-6bbe-4a4f-8c90-d444a19cfe9c

### EF3.1 Climate Change

CO2e kg	0.875 kg CO2e
---------	---------------

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)