

VS-PPC-C1-RJ45-MNNA-PG9-8I6 - RJ45 connector



1608113

<https://www.phoenixcontact.com/us/products/1608113>

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: Metal, connection method: IDC fast connection, cable outlet: straight, color: silver, Ethernet

Commercial data

Item number	1608113
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAB
GTIN	4046356159951
Weight per piece (including packing)	70 g
Weight per piece (excluding packing)	68.5 g
Customs tariff number	85366990
Country of origin	DE

1608113

<https://www.phoenixcontact.com/us/products/1608113>

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	IDC fast connection
Connection cross section AWG	24 (solid)
	26 ... 25 (flexible)
Conductor cross-section	0.2 mm ² (solid)
	0.14 mm ² ... 0.18 mm ² (flexible)

Interfaces

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

Dimensions

Width	22 mm
Height	30 mm
Length	57.7 mm

Material specifications

Color	silver
Material	Metal

VS-PPC-C1-RJ45-MNNA-PG9-8I6 - RJ45 connector



1608113

<https://www.phoenixcontact.com/us/products/1608113>

Flammability rating according to UL 94	V0
Housing material	Metal
Housing surface material	nickel-plated
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
Cable cross section	0.14 mm ²

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C

Standards and regulations

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

1608113

<https://www.phoenixcontact.com/us/products/1608113>

Classifications

ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440114

ETIM

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

UNSPSC

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

1608113

<https://www.phoenixcontact.com/us/products/1608113>

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	f2894bc8-f16f-46ba-b1ed-5bbd879c03df

EF3.1 Climate Change

CO2e kg	0.811 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