

VS-08-RJ45-5-Q/IP67 - RJ45 connector



1656990

<https://www.phoenixcontact.com/us/products/1656990>

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, design: RJ45, degree of protection: IP67, number of positions: 8, 1 Gbps, CAT5, material: Plastic, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic gray A RAL 7042, Ethernet

Your advantages

- Assembly without special tools
- High-quality and inexpensive solution in the IP protection zone
- Simple operation

Commercial data

Item number	1656990
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNNAA
GTIN	4046356081399
Weight per piece (including packing)	32.2 g
Weight per piece (excluding packing)	26.63 g
Customs tariff number	85366990
Country of origin	CH

VS-08-RJ45-5-Q/IP67 - RJ45 connector



1656990

<https://www.phoenixcontact.com/us/products/1656990>

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	1.75 A
Nominal voltage U_N	48 V
Contact resistance	0.001 Ω (Wire – IDC) 0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps
Power transmission	PoE++ in accordance with: IEEE 802.3bt

Connection data

Connection technology

Connection method	IDC fast connection
Connection cross section AWG	26 ... 23 (solid) 26 ... 23 (flexible)
Conductor cross-section	0.14 mm ² ... 0.36 mm ² (solid) 0.14 mm ² ... 0.36 mm ² (flexible)

Interfaces

Signal type/category	Ethernet CAT5, 1 Gbps
----------------------	-----------------------

Dimensions

Width	38.4 mm
Height	22.8 mm
Length	80 mm

Material specifications

VS-08-RJ45-5-Q/IP67 - RJ45 connector



1656990

<https://www.phoenixcontact.com/us/products/1656990>

Color	traffic gray A RAL 7042
Material	Plastic
Flammability rating according to UL 94	V0
Housing material	Plastic
Cable seal material	NBR
Contact material	Copper alloy
Contact surface material	Gold over nickel
Contact carrier material	PC
O-ring material	FPM
Material for screw connection	PA 6

Cable/line

Signal type/category	Ethernet CAT5, 1 Gbps
External cable diameter	5 mm ... 8.5 mm
Cable cross section	0.14 mm ²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 1000
-----------------------------	--------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 55 °C

VS-08-RJ45-5-Q/IP67 - RJ45 connector





1656990

<https://www.phoenixcontact.com/us/products/1656990>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1656990>

 cUL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1.75 A	- 22	-

 UL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1.75 A	- 22	-

VS-08-RJ45-5-Q/IP67 - RJ45 connector



1656990

<https://www.phoenixcontact.com/us/products/1656990>

Classifications

ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440114

ETIM

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

UNSPSC

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

VS-08-RJ45-5-Q/IP67 - RJ45 connector



1656990

<https://www.phoenixcontact.com/us/products/1656990>

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) 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)
SCIP	11038baa-ea8c-4ed6-904d-060ee2d117d9

EF3.1 Climate Change

CO2e kg	0.643 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