

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



1656990

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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

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## Technical data

### Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	Ethernet
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 $\Omega$ (Wire – IDC) 0.005 $\Omega$ (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 <sup>2</sup> ... 0.36 mm <sup>2</sup> (solid) 0.14 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible)

### Dimensions

Width	38.4 mm
Height	22.8 mm
Length	80 mm

### Material specifications

Color	traffic gray A RAL 7042
Material	Plastic

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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

External cable diameter	5 mm ... 8.5 mm
Cable cross section	0.14 mm <sup>2</sup>

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 1000
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## Approvals

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

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

 <b>UL Recognized</b> Approval ID: E118976				
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keine				
	50 V	1.75 A	- 22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440390
ECLASS-15.0	27440114

### ETIM

ETIM 10.0	EC002636
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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	11038baa-ea8c-4ed6-904d-060ee2d117d9

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