

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

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RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, 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	1657834
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB17
Product key	ABNOAA
GTIN	4046356131902
Weight per piece (including packing)	32.1 g
Weight per piece (excluding packing)	29 g
Customs tariff number	85366990
Country of origin	DE

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## 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 $\Omega$ (Wire – IDC)
	0.005 $\Omega$ (Litz wires – IDC)
Transmission medium	Copper
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

### 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)

### Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
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### Dimensions

Width	22 mm
Height	30 mm
Length	70 mm

### Material specifications

Color	black
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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
Housing material	Plastic
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

## Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
External cable diameter	5 mm ... 8 mm
Cable cross section	0.14 mm <sup>2</sup>

## 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)	-40 °C ... 70 °C

## Standards and regulations

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

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 <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				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
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	50 V	1.75 A	- 22	-

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## Classifications

### ECLASS

ECLASS-15.0	27440114
ECLASS-13.0	27440290

### 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	1baed9af-d769-4942-8510-17e3e55eae92

### EF3.1 Climate Change

CO2e kg	1.291 kg CO2e
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