

# VS-08-NP-RJ45-BU - RJ45 connector



1416952

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, Ethernet

## Your advantages

- Optimized for an extended temperature range of up to 85°C
- Easy installation with a crimping tool
- The bend protection of the locking clip prevents damage and ensures error-free data transmission

## Commercial data

Item number	1416952
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	ABNAAG
GTIN	4046356498418
Weight per piece (including packing)	4.55 g
Weight per piece (excluding packing)	4.3 g
Country of origin	CN

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## Technical data

### Product properties

Type	RJ45
Product type	Data connector (cable side)
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Cable outlet	straight
Positions/contacts	8P8C

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	2 A
Contact resistance	< 20 mΩ (Contact) < 100 mΩ (shield)
Frequency range	100 MHz
Insulation resistance	> 500 MΩ
Nominal current $I_N$	2 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

### Connection data

#### Connection technology

Connection method	Crimp connection
Connection cross section AWG	26 ... 24 (solid) 26 ... 24 (flexible)
Conductor cross section	0.14 mm <sup>2</sup> ... 0.22 mm <sup>2</sup> (solid) 0.14 mm <sup>2</sup> ... 0.22 mm <sup>2</sup> (flexible)
Connection in acc. with standard	In accordance with IEC 60603-7-1
Cable outlet, angle	180

### Dimensions

Width	11.7 mm
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Height	7.9 mm
Length	21.5 mm

## Material specifications

Flammability rating according to UL 94	V2
Contact material	Phosphor bronze
Contact surface material	Au
Contact carrier material	PC
Locking latch material	PC
Material for screw connection	PA
Housing material	Plastic

## Cable/line

External cable diameter ( )	5.6 mm ... 5.6 mm
Wire diameter including insulation	0.9 mm
Wire diameter incl. insulation	0.9 mm
Cable cross section	0.14 mm <sup>2</sup>
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 750
Insertion force per signal contact	< 20.00 N
Extraction force per signal contact	< 20 N

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

## Mounting

Mounting type	Crimp connection
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## Classifications

### ECLASS

ECLASS-11.0	27440312
ECLASS-13.0	27440116
ECLASS-12.0	27440312

### ETIM

ETIM 9.0	EC002641
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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