

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

Product type	Data connector (cable side)
Type	RJ45
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 mm² ... 0.22 mm² (solid) 0.14 mm² ... 0.22 mm² (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
Housing material	Plastic
Contact material	Phosphor bronze
Contact surface material	Au
Contact carrier material	PC
Locking latch material	PC
Material for screw connection	PA

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 ²
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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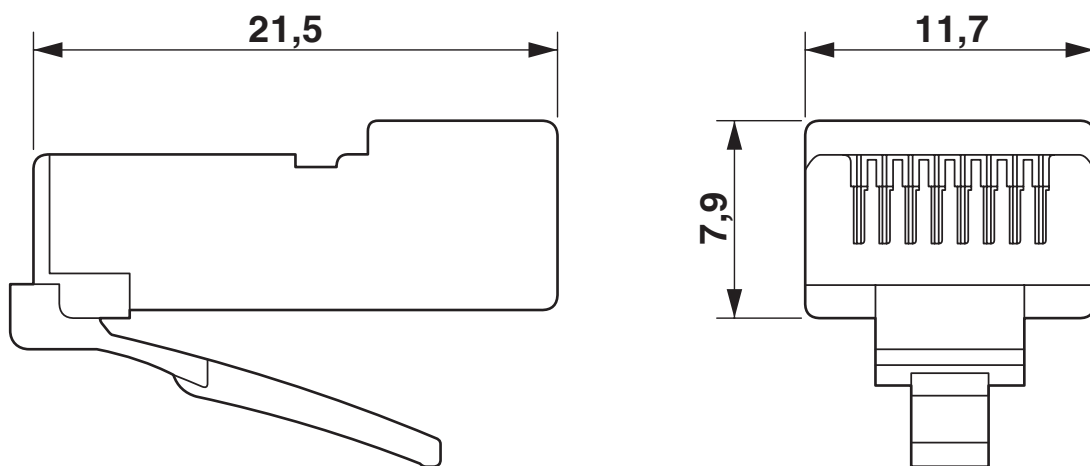
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Drawings

Dimensional drawing



RJ45 male insert

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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

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.)	No substance above 0.1 wt%

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Accessories

VS-LC-RJ45 - Crimping pliers

1416978

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Crimping pliers

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com