VS-08-RJ45-10G/C - RJ45 male insert

1418853

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CRIMP



Male insert RJ45, CAT6$_A$, 10 Gigabit

Your advantages

- Reliable 360° shield contact due to the proven crimp connection
- Easy installation with a crimping tool
- Pin insert for V.06 sleeve housing VS-08-T-H-RJ45/IP67

Commercial data

Item number	1418853
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB10
Product key	ABNAAH
GTIN	4046356536660
Weight per piece (including packing)	3.15 g
Weight per piece (excluding packing)	2.709 g
Customs tariff number	85366990
Country of origin	TW

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
Positions/contacts	8P8C

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated surge voltage	330 kV
Contact resistance	< 20 mΩ (Contact)
	< 100 mΩ (shield)
Frequency range	to 500 MHz
Insulation resistance	> 500 MΩ (100 V DC)
Nominal voltage U_N	48 V
Nominal current I_N	1 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	$CAT6_A$

Connection data

Connection technology

Connection method	Crimp connection
Connection cross section AWG	24 ... 27 (flexible)
Conductor cross-section	0.11 mm² ... 0.22 mm² (flexible)
Cable outlet, angle	180

Interfaces

Signal type/category	Ethernet $CAT6_A$

Dimensions

Width	11.7 mm
Height	14 mm
Length	30.2 mm

Material specifications

Color	yellow
Flammability rating according to UL 94	V2
Housing material	Steel, tin-plated
Contact material	Phosphor bronze
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	PC

Cable/line

External cable diameter	5.8 mm ... 6 mm
External cable diameter	5.8 mm ... 6 mm
Wire diameter including insulation	0.9 mm ... 1 mm
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)	-25 °C ... 60 °C

Mounting

Mounting type	For field assembly

Classifications

ECLASS

ECLASS-15.0	27440114
ECLASS-13.0	27440114

ETIM

ETIM 10.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.038 kg CO2e

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