VS-VARAN-RJ45-Q - RJ45 connector

1402410

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 6, CAT5, material: Plastic, connection method: Insulation displacement connection, connection cross section: AWG 26- 23, cable outlet: straight, VARAN

Your advantages

- Optimized for use in the VARAN network
- Easy and time-saving assembly with IDC fast connection technology
- Ideal companion for servicing or repairs in the field: no special tools required for mounting

Commercial data

Item number	1402410
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB10
Product key	ABNAAD
GTIN	4046356727631
Weight per piece (including packing)	9.738 g
Weight per piece (excluding packing)	9.738 g
Customs tariff number	85366990
Country of origin	CH

Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Number of positions	6
Connection profile	RJ45
No. of cable outlets	1
Shielded	no
Cable outlet	straight
Positions/contacts	8P6C

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Contact resistance	< 20 mΩ (Contact)
	< 100 mΩ (shield)
Frequency range	100 MHz
Insulation resistance	> 500 MΩ (100 V)
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
	< 0.005 Ω (Litz wires – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

Connection data

Connection technology

Connection method	Insulation displacement connection
Connection cross section AWG	26 ... 23 (flexible)
	26 ... 23
Conductor cross-section	0.14 mm² ... 0.25 mm² (solid)
	0.14 mm² ... 0.25 mm² (flexible)
Cable outlet, angle	180

Interfaces

Signal type/category	VARAN CAT5

Dimensions

Width	14 mm

Height	14.6 mm
Length	56 mm

Material specifications

Material	Plastic
Flammability rating according to UL 94	V0
Housing material	Plastic
Cable seal material	NBR
Contact material	CuSn
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	PC
Material for screw connection	PA

Cable/line

External cable diameter	4.5 mm ... 8 mm
External cable diameter	4.5 mm ... 8 mm
Cable cross section	0.14 mm²
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V
Halogen-free	no

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)	-10 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Mounting

Mounting type	For field assembly

Classifications

ECLASS

ECLASS-13.0	27440114
ECLASS-15.0	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	0.865 kg CO2e

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