

VS-08-RJ45-Q - RJ45 connector



1402420

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RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA 6.6, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green

Commercial data

Item number	1402420
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABNAAE
GTIN	4046356615501
Weight per piece (including packing)	12.1 g
Weight per piece (excluding packing)	12.1 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, IP20
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 surge voltage	330 kV
	330 V
Rated current	1.75 A
Frequency range	to 100 MHz
Nominal voltage U_N	48 V
Nominal current I_N	1.75 A
Contact resistance	0.001 Ω (Wire – IDC)
	0.005 Ω (Litz wires – IDC)
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	IDC fast connection
Connection cross section AWG	26 ... 24 (solid)
	26 ... 24 (7-wire)
Conductor cross-section	0.13 mm ² ... 0.21 mm ² (solid)
	0.14 mm ² ... 0.23 mm ² (7-wire)

Interfaces

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

Width	13.3 mm
Height	17.2 mm
Length	55.6 mm

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Material specifications

Color	green
Flammability rating according to UL 94	V2
Housing material	PA 6.6
Contact material	CuSn

Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
External cable diameter	4.5 mm ... 8 mm
External cable diameter	4.5 mm ... 8 mm
Wire diameter including insulation	1.6 mm
Single wire, cross section	0.14 mm ² 0.23 mm ²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 70 °C

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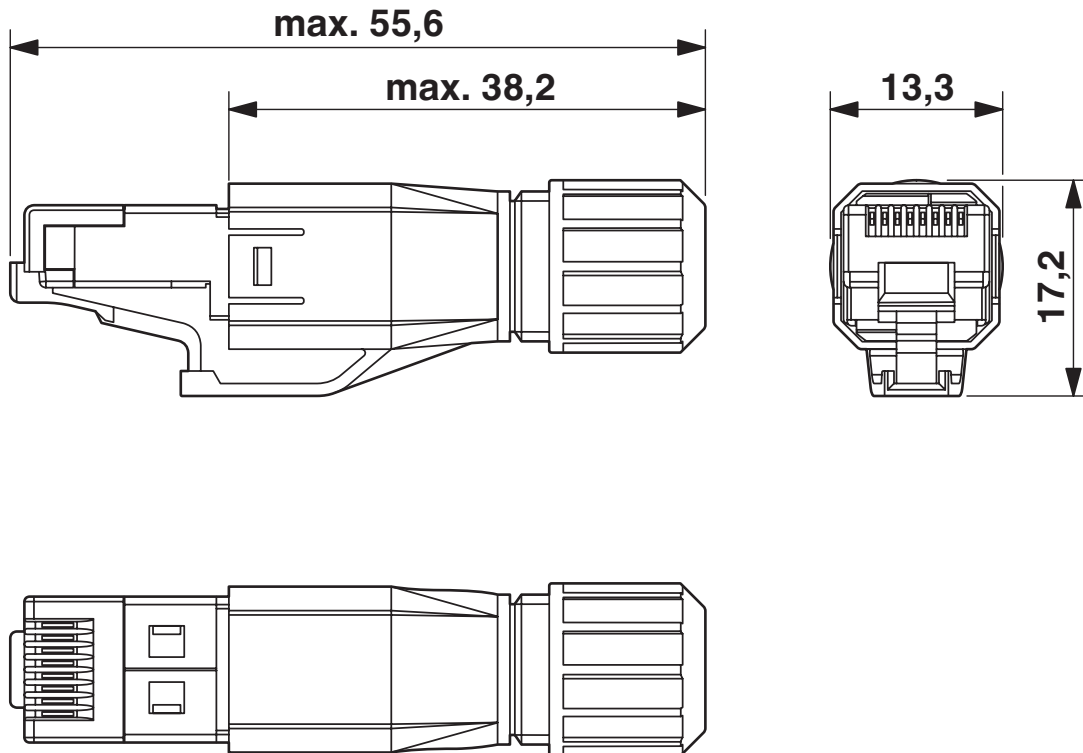
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Drawings

Dimensional drawing



RJ45 connector, IP20

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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