

## RJ45 connector - VS-08-RJ45-10G/Q - 1419001

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RJ45 connector, IP20, CAT6<sub>A</sub>, 8-pos., with QUICKON fast connection technology, for 26 ... 24 AWG 1-wire and 7-wire conductors, color: black

### Your advantages

- Easy, time-saving assembly without special tools with QUICKON fast connection technology
- Future-proof due to CAT6<sub>A</sub> with 10 Gbps
- Versatile use: cable 1-wire to 7-wire conductors AWG 26-24
- Can be used internationally with EAC B.01742, UL 1863, and CAN/CSA C22.2



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356521567
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Mechanical characteristics

Connection method	IDC fast connection
Minimum external conductor diameter	4.5 mm
Maximum external conductor diameter	8 mm
AWG solid min.	26
AWG solid max.	24
AWG multi-stranded min.	26

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## Technical data

### Mechanical characteristics

AWG multi-stranded max.	24
Insertion/withdrawal cycles	≥ 750
Number of positions	8
Degree of pollution	2
Cable outlet	straight
No. of cable outlets	1
Locking type	Locking clips
Conductor cross section	0.13 mm <sup>2</sup> ... 0.21 mm <sup>2</sup> (solid)
	0.14 mm <sup>2</sup> ... 0.23 mm <sup>2</sup> (7-wire)
Weight	12 g
Flammability rating according to UL 94	V2

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
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### Material data

Contact surface material	AU
Contact material	Cu/Sn
Contact carrier material	PC
Cable gland material	PA
Housing material	PA 6.6
Width	13.8 mm
Height	17.3 mm
Length	55.6 mm
Housing surface material 1	PA, black

### Electrical characteristics

Number of positions	8
Nominal voltage U <sub>N</sub>	48 V
Nominal current I <sub>N</sub>	1.75 A
Transmission speed	10 Gbps
Transmission characteristics (category)	CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009)
GRP transmission properties	CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009) CAT6 <sub>A</sub> (IEC 60512-27-100:2008, TIA-568-C.2:2009)
Transmission speed	10 Gbps
Frequency range	to 500 MHz
Rated current	1.75 A
Degree of pollution	2
Contact resistance	0.001 Ω (Wire – IDC)

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## Technical data

### Electrical characteristics

	0.005 $\Omega$ (Litz wires – IDC)
Rated voltage (III/3)	72 V (DC)
Insulation resistance	> 500 M $\Omega$

### Standards and Regulations

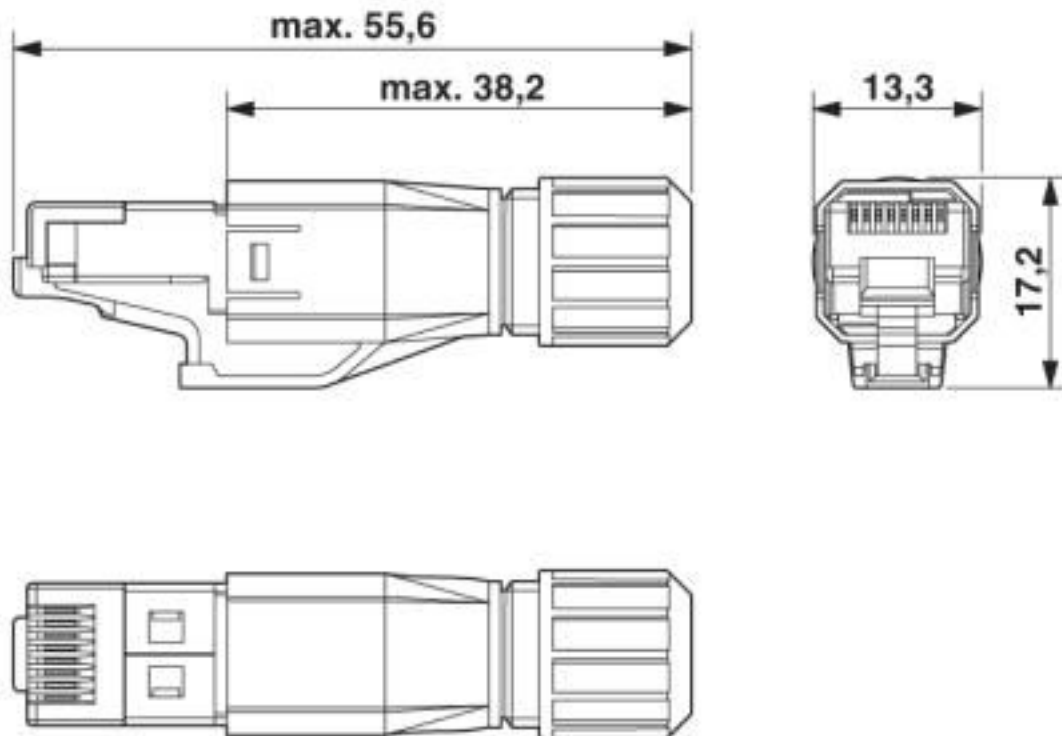
Flammability rating according to UL 94	V2
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### Environmental Product Compliance

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

## Drawings

Dimensional drawing



RJ45 connector, IP20

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27440101
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440101
eCl@ss 8.0	27440101
eCl@ss 9.0	27440101

### ETIM

ETIM 2.0	EC000764
ETIM 3.0	EC001121
ETIM 4.0	EC002641
ETIM 5.0	EC002636
ETIM 6.0	EC002636
ETIM 7.0	EC002636

### UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed


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#### Ex Approvals


# RJ45 connector - VS-08-RJ45-10G/Q - 1419001


## Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335024-20150529
Nominal voltage UN	57 V		
Nominal current IN	1.75 A		

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335024-20150529
Nominal voltage UN	57 V		
Nominal current IN	1.75 A		

EAC		B.01687
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cULus Listed	
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## Accessories

### Accessories

#### Data cable by the meter

Network cable - VS-OE-OE-94B-100,0 - 1416567



Network cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m

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### Accessories

#### Network cable - VS-OE-OE-94B/... - 1417333



Network cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

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#### Network cable - VS-OE-OE-94F-100,0 - 1416347



Network cable, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m

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#### Network cable - VS-OE-OE-94F/... - 1417359



Network cable, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

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### Female insert

#### RJ45 coupling - CUC-K-D1ZNI-S/R4GCHP8 - 1086108



RJ45 coupling, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: 2x RJ45, Keystone design for use with IP20 and IP67 panel mounting frame or integrated directly into the housing panel

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#### RJ45 socket insert - CUC-I-J1ZNI-S/R4IDC8 - 1417274



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, cable outlet: straight, Adapter-free design

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### Accessories

RJ45 socket insert - CUC-F-J1ZNI-S/R4IDC8 - 1418984



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, Freenet design for use with IP67 panel mounting frame and terminal outlets

RJ45 coupling - CUC-F-D1ZNI-S/R4GC8 - 1419022



RJ45 coupling, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: Zinc die-cast, connection method: Female

RJ45 socket insert - CUC-K-J1ZNI-S/R4IDC8 - 1419021



RJ45 socket insert, type: RJ45, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, Keystone design for use with IP20 panel mounting frame or integrated directly into the housing panel

### Patch panel

DIN rail adapter - NBC-PP-G1PGY - 1041740



DIN rail adapter, type: Headers with shielding, degree of protection: IP20, material: PC-GF10, without assembled modules

DIN rail adapter - CUC-PP-D1PGY/R4GC8 - 1418094



DIN rail adapter, type: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT6, material: PC-GF, connection method: Coupling, color: gray

## RJ45 connector - VS-08-RJ45-10G/Q - 1419001

### Accessories

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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