

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

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RJ45 connector, IP20, CAT6_A, 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_A 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 |  4 046356 521567 |
| GTIN | 4046356521567 |

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 |
| 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 |

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Technical data

Mechanical characteristics

| | |
|--|--|
| Locking type | Locking clips |
| Conductor cross section | 0.13 mm ² ... 0.21 mm ² (solid) |
| | 0.14 mm ² ... 0.23 mm ² (7-wire) |
| Weight | 12 g |
| Flammability rating according to UL 94 | V2 |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
|---------------------------------|------------------|

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 _N | 48 V |
| Nominal current I _N | 1.75 A |
| Transmission speed | 10 Gbps |
| Transmission characteristics (category) | CAT6 _A (IEC 60512-27-100:2008, TIA-568-C.2:2009) |
| GRP transmission properties | CAT6 _A (IEC 60512-27-100:2008, TIA-568-C.2:2009) CAT6 _A (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) |
| | 0.005 Ω (Litz wires – IDC) |
| Rated voltage (III/3) | 72 V (DC) |
| Insulation resistance | > 500 MΩ |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V2 |
|--|----|

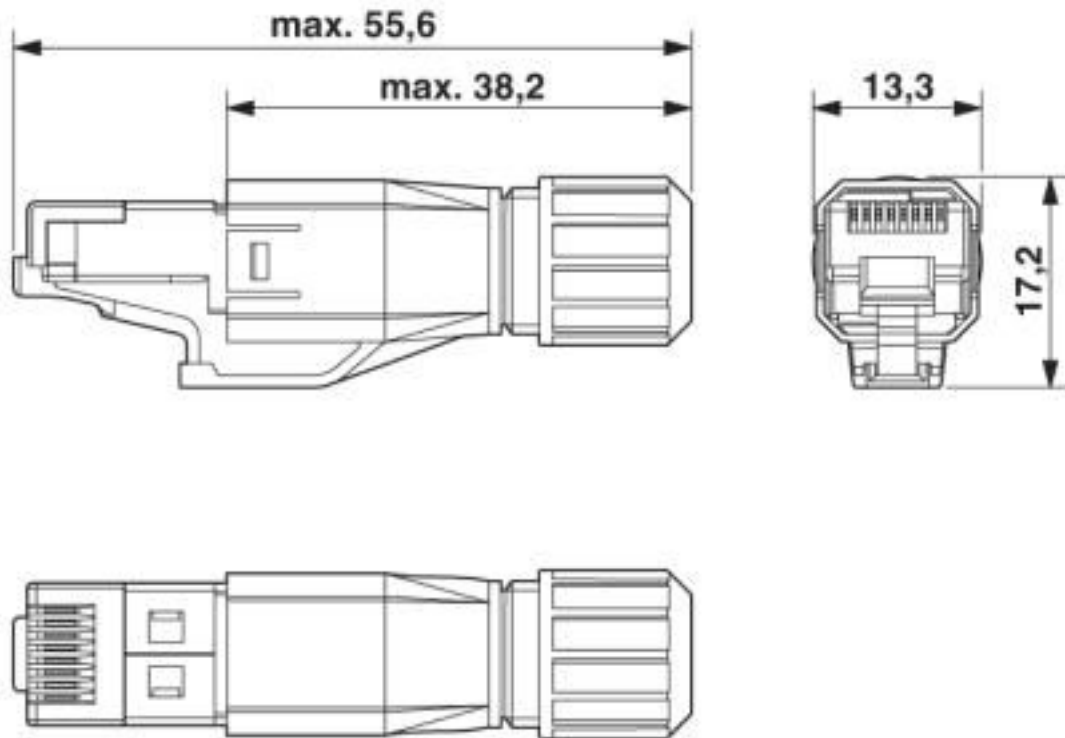
Environmental Product Compliance

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

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Drawings

Dimensional drawing



RJ45 connector, IP20

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 |

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Classifications

ETIM

| | |
|----------|----------|
| 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


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

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

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

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Approvals

| | | |
|-----|--|---------|
| EAC | | B.01687 |
|-----|--|---------|

| | | |
|--------------|--|--|
| cULus Listed | | |
|--------------|--|--|

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

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)

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



Network cable, Ethernet CAT6_A (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: 100 m

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



Network cable, Ethernet CAT6_A (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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Accessories

Female insert

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



RJ45 coupling, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, 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

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_A, material: Zinc die-cast, connection method: IDC connection, connection cross section: AWG 26- 22, cable outlet: straight, Adapter-free design

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_A, 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_A, 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

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Accessories

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

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



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

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



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

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