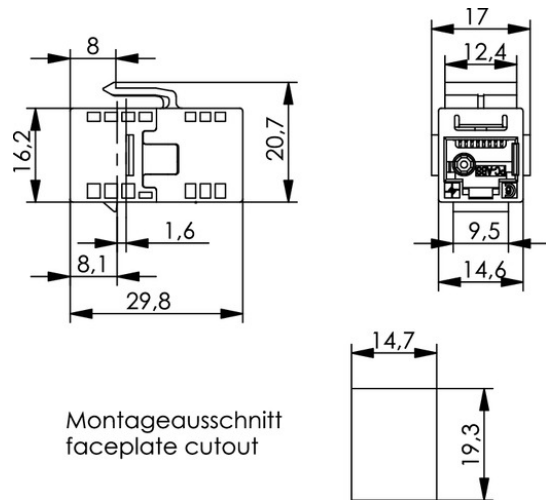


order number: J00029A0064

UMJ Coupler K Cat.6, f-f



Fig. may differ



| Technical Attributes | |
|----------------------|-------------------------------|
| Short name | UMJ Coupler K Cat.6, f-f |
| Remarks | suitable for RJ45/11/12 plugs |
| Mount. dim. | Z121 |

Performance Characteristics

- unshielded
- 10 Gigabit Ethernet compliant (IEEE 802.3an)
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- unshielded
- universal, world-wide available installation dimension for mounting cut-outs: 19.3 x 14.7 mm
- fully-automated production of Class E_A 500 RJ45 core to guarantee a uniformly high quality standard (transmission characteristic values)

| Mechanical Characteristics | |
|------------------------------|---------------|
| Insertion force | ≤ 20 N |
| Durability (Matings) | ≥ 750 |
| Material: insulating housing | - |
| | German silver |

| | |
|----------------------------------|---|
| Material: shield | |
| Material: insulators | PC UL94 V0 |
| Material: contact spring finish | min. 0,8 µm (µin) Au on 1,2 µm (50µin) Ni |
| Material: IDC termination finish | min. 3-6 µm (120-240 µin) Sn |
| Material: housing | PC GF20 UL94 V0 RAL 9010 pure white |
| Material: snap-fit | PC GF20 UL94 V0 RAL 9010 pure white |
| Material: PCB | FR4 |
| Material: PCB finish | Cu 35/35 chem. tinned |
| Material: contact spring | phosphor bronze tinned |
| Material: contact finish | min. 0,8 µm Au on 1,2 µm Ni |
| Material: cable clamp | PC UL94 V0 |

| Climatic Characteristics | |
|--|-----------|
| UL | E244889 |
| Tested / classified in accordance with DIN IEC 60068-1 | 25/070/21 |

| Electrical Characteristics | |
|-----------------------------------|-----------------------------------|
| Voltage proof: contact-shield | ≥ 1500 V, DC |
| Current carrying capacity at 50°C | 1 A |
| PoE+ acc to IEEE 802.3at | Adequate for Power over Ethernet+ |
| Contact resistance | ≤ 20 mΩ |
| Insulation resistance | ≥ 500 mΩ |
| Voltage proof: contact-contact | ≥ 1000 V= |

| Standards | |
|------------|----------------|
| Connectors | IEC 60603-7-51 |

| | |
|---------------------|------------------|
| | |
| Ambient temperature | -40° C to +85° C |

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

| | |
|--|--|
| Category 6 _A (Component) | ISO/IEC 11801, DIN EN 50173-1 |
| Class E _A (Permanent Link) | ISO/IEC 11801, DIN EN 50173-1 |
| Class E _A (Channel) | ISO/IEC 11801, DIN EN 50173-1 |
| Class E (Channel with Coupler Cat.6) | - |
| Class D (Channel with Coupler Cat.5e) | - |
| Gigabit Ethernet acc. to IEEE 802.3 | fulfilled |
| 10 Gigabit Ethernet acc. to IEEE 802.3an | fulfilled |
| Cat.6 | TIA/EIA-568-B.2-1; ISO/IEC 11801 2nd edition; EN 60603-7-4 |