



Main

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| Range name | Actassi |
| Product type | RJ45 network socket |
| Type of footprint | S-One |
| Device presentation | Integrated one piece design |
| Performance category | 6 |
| Compatible LAN cable types | U/UTP |
| Supported applications | 1000BASE-T |
| Protocols | PoE+ (Power over Ethernet) VoIP (Voice IP) |
| Material and colour (category colour coded) | Wire organizer: blue (ABS + PC) Connector: dark grey (ABS + PC) |
| Colour coding | 568 A/B |
| Quantity per set | Set of 12 |
| Length | 33 mm |
| Width | 18 mm |
| Height | 28 mm |

Complementary

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|----------------------------|--|
| Frequency range | ≤ 250 kHz |
| Voltage proof | 1000 V AC/DC, peak, between contacts |
| Current rating | ≤ 1.5 A @25 °C |
| Insulation resistance | Initial insulation resistance: ≤ 500 MOhm @100 V DC |
| Electrical resistance | ≤ 200 Ohm |
| Coupling attenuation | $\geq 75 - 20 \times \log(f)$ dB from 100...1000 MHz ≥ 35 dB from 30...100 MHz |
| Transverse conversion loss | $\geq 68 - 20 \times \log(f)$ dB from 1 kHz...250 MHz ≥ 50 dB |
| Contact pins | 8 pins in copper alloy and gold plated (IEC 60603-7) |
| Durability | ≥ 750 cycles |
| IDC wire diameter | AWG22...AWG25 |
| Insulation diameter (wire) | 0.9...1.4 mm |
| Pulling force | 50 N during 60 s |
| Applicable standards | ISO/IEC 11801 Ed2.1 ANSI/TIA-568-C.2 IEC 60603-7-4 ISO/IEC 11801:2011 Ed.2.2 |

Environment

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|-------------------------------|---------------------------------|
| Operational temperature range | -40...70 °C |
| Environmental characteristic | PEP (Energy depletion) REACH |
| Climatic category | 40/070/21 (21 days) |

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