



Main

Range	Actassi
Product type	RJ45 network socket
Device presentation	Integrated one piece design
Colour tint	Connector: silver (zamak) Wire organizer: blue (ABS + PC)
Wiring Colour configuration	568 A/B
Type of packing	Individual bag
Quantity per set	Set of 1

Complementary

[In] rated current	1.5 A at 25 °C
Voltage proof	1000 V AC/DC peak, between contacts 1500 V AC/DC peak, between contacts and shield
Contact resistance	20 mOhm
Insulation resistance	Initial insulation resistance: ≥ 500 MOhm at 100 V DC
AWG gauge	AWG 24...AWG 23
Durability	750 cycles
Coupling attenuation	≥ 45 dB at 30...100 MHz $\geq 85 - 20 \times \log(f)$ dB at 100...1000 MHz
Contact pins	8 pins of copper alloy and gold plated conforming to IEC 60603-7
Shield Type	Metallic: 360° self adjusting + drain wire contact Integrated short circuit barrier
Pulling force	50 N during 60 s
Transfer impedance	≤ 0.1 Ohm at 1 MHz ≤ 0.2 Ohm at 10 MHz ≤ 1.6 Ohm at 80 MHz
Transverse conversion loss	≥ 50 dB $\geq 68 - 20 \times \log(f)$ dB at 1...250000 kHz
Tool type	Without tool
Cable outer diameter	0.9...1.4 mm
Compatible LAN cable types	STP
Communication network category	6
Supported applications	1000BASE-T
Protocols	VoIP (Voice IP) PoE+ (Power over Ethernet) 4PPoE 100W (Power over Ethernet)
Transmission frequency	0...250 MHz
Type of footprint	S-One
Height	28 mm
Length	35 mm
Width	18 mm
Targeted region	Europe

Environment

Operational temperature range	-40...70 °C
Climatic category	40/070/21 (21 days)
Flame retardance	UL94-V0
Standards	ANSI/TIA-568-C.2 IEC 60603-7-4 ISO/IEC 11801:2011 Ed.2.2 UL 1863

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.0 cm
Package 1 Width	2.0 cm
Package 1 Length	4.0 cm
Package 1 Weight	33.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	7.0 cm
Package 2 Width	13.0 cm
Package 2 Length	18.0 cm
Package 2 Weight	388.0 g
Unit Type of Package 3	S03
Number of Units in Package 3	160
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	7.0 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile