



### Main

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)	Connector: dark grey (ABS + PC) Wire organizer: blue (ABS + PC)
Colour coding	568 A/B
Quantity per set	Set of 12
Length	33 mm
Width	18 mm
Height	28 mm

### Complementary

Frequency range	$\leq 250$ MHz
Voltage proof	1000 V AC/DC, peak, between contacts
Current rating	$\leq 1.5$ A @25 °C
Insulation resistance	$\leq 500$ MOhm @100 V
Electrical resistance	$\leq 200$ mOhm
Coupling attenuation	$\geq 35$ dB from 30...100 MHz $\geq 75 - 20 \times \log(f)$ dB from 100...1000 MHz
Transverse conversion loss	$\geq 50$ dB $\geq 68 - 20 \times \log(f)$ dB from 1 kHz...250 MHz
Contact pins	8 pins in copper alloy and gold plated (IEC 60603-7)
Durability	$\geq 750$ 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 ISO/IEC 11801 amd2:2010 ANSI/TIA-568-C.2 IEC 60603-7-4

### Environment

Operational temperature range	-40...70 °C
Environmental characteristic	PEP (Energy depletion) REACH
Climatic category	40/070/21 (21 days)
RoHS EUR status	Compliant
RoHS EUR conformity date	1101

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