



Main

Range name	Actassi
Product type	RJ45 network socket
Type of footprint	S-One
Device presentation	Integrated one piece design
Performance category	6 _A
Compatible LAN cable types	F/UTP S/FTP SF/UTP U/FTP F/FTP
Supported applications	1000BASE-T
Protocols	PoE+ (Power over Ethernet) VoIP (Voice IP)
Material and colour (category colour coded)	Connector: silver (zamak) Wire organizer: dark blue (ABS + PC)
Colour coding	568 A/B
Quantity per set	Set of 96
Length	35 mm
Width	18 mm
Height	28 mm

Complementary

Frequency range	<= 500 MHz
Protection type	Metallic: 360° self adjusting + drain wire contact Integrated short circuit barrier
Voltage proof	1000 V AC/DC, peak, between contacts 1500 V AC/DC, peak, between contacts and shield
Current rating	<= 1.5 A @25 °C
Insulation resistance	<= 500 MOhm @100 V
Electrical resistance	<= 200 mOhm
Transfer impedance	<= 0.1 Ohm at 1 MHz <= 0.2 Ohm at 10 MHz <= 1.6 Ohm at 80 MHz
Coupling attenuation	>= 45 dB from 30...100 MHz >= 85 - 20 x log(f) dB from 100...1000 MHz
Transverse conversion loss	>= 50 dB >= 68 - 20 x log(f) dB from 1 kHz...500 MHz
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 ISO/IEC 11801 amd2:2010 ANSI/TIA-568-C.2 EN 50173:2007 IEC 60603-7-51

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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