

CATEGORY 6 UTP KEYSTONE JACK

Norden Category 6 UTP punch down keystone Jack gives optimum protection from electromagnetic interference from an outside source. These Jacks are designed to reduce the Insertion loss & alien cross talk in order to provide maximum flexibility and high performance for all 10G Ethernet applications and are available in a 90° orientation with back interconnection of Dual Style IDC blocks in universal pin/pair assignment. 90° orientation provides perfect termination. This is tested to 250 MHz range over 100m and supports T568 A&B wiring & easy installation. The Jack is manufactured with an integral cable strain relief. They can be installed into a number of faceplates and unloaded shuttered modules and backward Compatible with category 5e/class D system components.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.
ANSI/TIA/EIA 568AB.2.2001, ISO/IEC11801:2002
EN50173-2 Category 6 standards

DESIGN & MATERIALS

Colour	Blue or Others Available Upon Request
Size	35.1 mm X 17.1 mm X 25.2 mm
Rj45 Port	11.8 mm X 9.8 mm
Angle	90 Degree
Temperature- Storage	-40 °C to +70 °C
Temperature- Operation	-10 °C to +65 °C
Housing Material	High Impact, Flame-Retardant Plastic, UL 94 V-0
IDC Type	Dual [110 Or Krone] Type
IDC Wire Gauge	22-26 AWG, Solid or Stranded
Colour Coding	As Per 568 A/B Standard
Spring Wire	Phosphor Bronze Alloy
IDC	Phosphor Bronze Alloy
Conductor Termination	> 200
Insulation Diameter	0.7-1.6 mm

STANDARDS

Flammability Rating	UL 94 V-0
Safety Rating	UL 1863

ELECTRICAL DATA

Current Rating	1.5 A
Insulation Resistance	500 MΩ min 100 Vdc
Voltage Rating	230 V rms Max
Dielectric Voltage	1000 V dc or ac, 60 Hz for 1 min (Contact-Contact)
Plug/Jack Contact Resistance	20 MΩ per contact
Input /Output Resistance	200 MΩ max.
IDC Contact Resistance	< 5 MΩ max

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MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	750 Cycles minimum
Retention	133 N
Propagation Delay	2.5 ns max./1-250 MHz
Propagation Delay Skew	1.25 ns max./1-250 MHz
Coupling Attenuation	35 dB @ 30 - 250 MHz

TRANSMISSION PERFORMANCE DATA OF CHANNEL

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB
1	1.9	87.6	82.6	28.0
4	3.5	79.2	74.2	30.0
10	5.6	73.3	68.3	29.0
20	8.4	69.1	63.8	29.0
31.25	10.0	66.0	61.1	28.6
100	18.9	58.0	53.0	25.1
150	24.0	55.2	50.7	23.8
200	26.1	53.0	48.0	22.8
250	30.0	52.6	47.6	22.0

ORDERING INFORMATION

Part Number	Description
122-31P090X	Category 6 UTP Keystone Jack 90D

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
122-31P090X	50 x 20 x 1	Carton Box	12.0	17.0	620 x 420 x 430