

CATEGORY 6 EURO MODULE

Norden Category 6 Euro module features a slim line design with a shutter to prevent dust from entering the module which is an ideal solution for wall plates and fully supports Category 6 (Class E) networks running up to 250 MHz applications. This type module provides easy top entry termination, with a clip-on design fitting directly into a euro 50 x 25 aperture for easy installation and is supplied with tie wraps & labeling window. The modules have a dual style IDC punch down block on the termination side which will allow the installer to terminate with either a 110 or krone insertion tool. The module is present with colour coding for both T568A & T568B wiring conventions. This moulded module uses PCB technology and is backward compatible with Category 5e distribution systems.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.
ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition)
EN50173-2 Category 6 standards

DESIGN & MATERIALS

Connector Type	RJ45 and Dual IDC
Screen	Unshielded
Depth	20 mm
Height	50 mm
Width	25 mm
No Of Ports	1
Wire Gauge	22-26 AWG
Housing Material	PC or ABS, UL94V-0
Jack Housing Material	High Impact Flame retardant Plastic compound-UL94V-0
Contact Material	Phosphor Bronze
Temperature Range	-40 °C to +60 °C (Operation), -10 °C to +70 °C (Storage)
Colour	UK White or others as per request

ELECTRICAL DATA

Current Rating	1.5 A max.
Contact Resistance	< 10 MΩ norm. (excluding body resistance)
Input/Output Resistance	200 MΩ max
Input/Output Resistance unbalance	50 MΩ max
Voltage Rating	125 V rms
Dielectric Strength	1 KV rms for 1 minute
Insulation Resistance	≥200 MΩ norm.
DC Resistance	< 20 MΩ

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MECHANICAL & TRANSMISSION DATA

Cable To Plug Tensile Strength	110 N min.
Operating Temperature	-20 °C to +80 °C
Plug Insertion Durability	> 500 Mating Cycles
Propagation Delay	2.5 ns max @ 1-250 MHz
Propagation Delay Skew	1.25 ns max @ 1-250 MHz
Transfer Impedance	0.1 Ω @ 1 MHz, 0.2 Ω @ 10 MHz, 1.6 Ω @ 80 MHz max.

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
123-31X	Category 6 Euro Module

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)
123-31X	50 x 20 x 1	Carton Box	17.0	22.0	620 x 420 x 430