

CATEGORY 5E EURO MODULE

Norden Category 5e 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 all presently available LAN applications. This type Euro 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 and is present with colour coding for both T568A & T568B wiring conventions.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.
ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), EN50173-2
Category 5e standards

DESIGN & MATERIALS

Connector Type	RJ45 and Dual IDC
Screen	Unshielded
Depth	20 mm
Height	50 mm
Width	25 mm
Wire Gauge	22-26 AWG
Housing Material	PC or ABS, UL94V-0
Jack Housing Material	High Impact Flame Retardant Plastic Compound-UL94V-0
PCB Material	FR-4 Thickness 1.6 mm
Contact Material	Phosphor Bronze
Storage Temperature Range	-40 °C to +60 °C
Operation Temperature Range	-10 °C to +70 °C
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 @ 1-100 MHz
Propagation Delay Skew	1.25 ns max @ 1-100 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	1.8	73.8	71.8	25.0
4	3.6	64.8	62.8	28.0
10	5.8	55.3	53.3	28.0
20	8.3	53.8	52.8	28.0
31.25	10.5	50.9	48.1	27.8
60	15.3	46.4	44.6	26.1
100	19.8	43.3	41.3	25.0

ORDERING INFORMATION

Part Number	Description
123-21X	Category 5e 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)
123-21X	50 x 20 x 1	Carton Box	17.0	22.0	620 x 420 x 430