Item Number:
3512M-IECF

Praesto, November 14, 2014 – Rev. 00

Description: Adaptor, 3,5/12 male – IEC female.

DATA SHEET

Electrical

	Specification			Standard
Frequency Range	**5 MHz – 3.000 MHz**			
Impedance	**75 Ω nominal**			
	Better Than	**Measured** – Worst case of 4 measurements		
Return Loss	37 dB 37 dB 35 dB 20 dB 19 dB 14 dB	≥ 40.1 dB ≥ 40.1 dB ≥ 38.7 dB ≥ 23.1 dB ≥ 22.0 dB ≥ 17.4 dB	5 MHz – 500 MHz 500 MHz – 860 MHz 860 MHz – 1.000 MHz 1.000 MHz – 1.750 MHz 1.750 MHz – 2.150 MHz 2.150 MHz – 3.000 MHz	IEC 61169-1
Insertion Loss	0.13 dB	≤ 0.1 dB	5 MHz – 3.000 MHz	
Shielding Effectiveness (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz ≤ 0.15 mΩ/item Screening Attenuation @ 30 – 1.000 MHz ≥ 112.7 dB Screening Attenuation @ 1.000 – 2.000 MHz ≥ 115.9 dB Screening Attenuation @ 2.000 – 3.000 MHz ≥ 117.7 dB Class: A++			IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Amp. Rating	≤ 15 A @ 60 V.			
Dielectric Strength	≥ 3 kV.			IEC 61169-1
Insulation Resistance	≥ 29.99 GΩ @ 500 V.			IEC 61169-1

Environmental

	Specification	Standard
Temperature range Operating	-40°C to +60°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Corrosion Protection		ASTM B 117-94

Mechanical

	Specification	Standard
Interface	3,5/15 male IEC female	IEC 61169-14 IEC 61169-2

Material and Finish

	Specification	Standard
Housing	NiSn (NITIN) plated Brass	ASTM B605
Inner conductor	NiSn (NITIN) plated Tinbronze	ASTM B605
O-ring	EPDM	
Spring	Ni (Nickel) plated BerylliumCopper	
Insulator	PEHD	

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Measurement setup:

Nm-58f, 58m-3512f **– 3512M-IECF –** 58m-IECm, Nm-58f.

All results are the worst case result of measurement of 4 adaptors.

All tests are performed using instruments calibrated in accordance to our ISO 9001 certification.

Return Loss, Insertion Loss and Shielding are measured with Rohde & Schwarz ZNB8 Network Analyzer, according to IEC standards.

CPD (Common Path Distortion) are measured with hp Spectrum Analyzer hp 8591E, according to SCTE standard.

In case of over current (≥ 15 A.) there is a risk for high temperature inside the adaptor, which can cause damage of the insulator.

Further test reports, technical specifications and installation instructions can be obtained on request.

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