+45 5599 1722

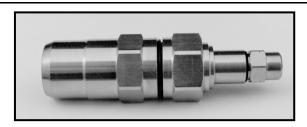
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 $\label{eq:comutation} \begin{array}{ll} & Email: \ ppceurope@ppc-online.com\\ URL: \ www.ppc-online.com - www.ppc.dk \end{array}$ 



**Praesto, January 5, 2016 –** Rev. 04





Description: Hardline Splice Raducer, H073 – A025. (Measured with Bedea Telass Coax 3 & Bedea Coax 9 Cable)

# **DATA SHEET**

## **Electrical**

	Specification			Standard
Frequency Range	5 MHz – 3.000 MHz			
Impedance	75 Ω nominal			
	Better Than	Measured -	Worst case of 5 measurements	
Gated Return Loss of H073-A025-SPR	20 dB 32 dB 31 dB 24 dB 19 dB 15 dB	≥ 23.0 dB ≥ 35.1 dB ≥ 34.3 dB ≥ 27.2 dB ≥ 22.7 dB ≥ 18.0 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 of Assembly	0.14 dB 0.17 dB 0.19 dB 0.27 dB 0.31 dB 0.49 dB	≤ 0.11 dB ≤ 0.14 dB ≤ 0.16 dB ≤ 0.24 dB ≤ 0.28 dB ≤ 0.46 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	
Shielding Effectiveness of Assembly (Measured with CoMeT)	Transfer Impedance @ 5 − 30 MHz ≤ 3.28 mΩ/item Screening Attenuation @ 30 − 1.000 MHz ≥ 80.2 dB Screening Attenuation @ 1.000 − 2.000 MHz ≥ 83.2 dB Screening Attenuation @ 2.000 − 3.000 MHz ≥ 75.4 dB Class: B			IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Shielding Effectiveness of H073-A025-SPR	Class A++		EN 50117	
Common Path Distortion	≤ -110 dBc			ANSI/SCTE 109 2005
Inner Conductor Resistance	≤ 3.0 mΩ @ 1 A DC.			IEC 61169-1
Amp. Rating	≤ 4 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 +85°C	
Temperature range Installation	-5°C to +50°C	
Sealing Test	IPX8 – 1 meter / 24 hours	IEC 60529
Red Dye		ANSI/SCTE 60
Corrosion Protection		ASTM B 117-94

### Mechanical

**DENMARK** 

	Specification	Standard
Cable Retention	≥ 200 kgf – H073 ≥ 25 kgf – A025	ANSI/SCTE 99

#### **Material and Finish**

	Specification	Standard		
Housing	NiSn (NITIN) plated Brass	ASTM B605		
Inner conductor	NiSn (NITIN) plated Tinbronze	ASTM B605		
Compression ring	NiSn (NITIN) plated Brass	ASTM B605		
O'ring	EPDM			
Insulator	Polycarbonate/Polyethylene			

In order to continue to supply the best products, PPC reserves the right to change the products and specifications at any time without prior notice.

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### Measurement setup:

H073-58M - Coax 3 - **DUT** - Coax 9 - A025-58M.

All measurements are done with Bedea Telass Coax 3 and Bedea Coax 9 cable.

All results are the worst case result of measurement of 5 assemblies.

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.

Screening Class of Cable: Coax 3: "A++", Coax 9: "B" According to Data Sheet.

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

In case of over current (≥ 4 A.) there is a risk for high temperature inside the Splice Reducer, which can cause damage of the insulator, and / or the cable.

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

