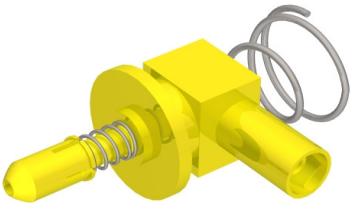


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 4147.93.8914.1'' Description: Cable mount angle plug		Revision: a Date: 15.08.2006 Signature: TZ Page: 1 of 2	
Design according to: -		Counter part 3926../ 3976.99.0030.00'	
Electrical characteristics		colored value means: still under test target value	
	Value	Unit	Picture
Impedance	50	[Ω]	
Operating frequency up to	6	[GHz]	
Return loss			
1 GHz	> 25	[dB]	
2 GHz	> 20	[dB]	
3 GHz	> 14	[dB]	
4 GHz	> 14	[dB]	
6 GHz	> 14	[dB]	
10 GHz	-	[dB]	
3rd. Order PIM product	-	[dBc]	
Insulation resistance	1	[GΩ]	initial initial 150 V AC - 1 min.
Contact resistance			
Centre contact	< 80	[mΩ]	
Outer contact	< 50	[mΩ]	
Contact current max. (DC)	-	[A]	
Operating voltage	150	[V]	
Proof voltage	500	[V]	
Mechanical characteristics			
	Value	Unit	Remarks
Engagement force	5-8	[N]	
Separating force	-	[N]	
Mating cycles	> 100.000		
Coupling nut retention force	-	[N]	
Coupling nut torque - recommended	-	[Nm]	

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<u>Material & plating</u>	Material	Plating
Housing	brass	Cu + Ni + 0,15µm Au
Centre contact	copper beryllium	Cu + Ni + 0,15µm Au
Other metal parts	brass	Cu + Ni + 0,15µm Au
Insulator	PTFE	-
Spring	stainless steel	passivated
	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-40°C up to +85°C Standard	
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db	

<u>Notes</u>
Only with cable RG 316, length 15 cm

<u>Update historie</u>		
Rev.	date	Signature
a	06.11.2008	KF