

Product data sheet

IMS CONNECTOR SYSTEMS GmbH
 Obere Hauptstrasse 30
 D-79843 Löffingen
 Postfach 1141
 D-79840 Löffingen

Tel (+49) 7654 901-0
 Fax (+49) 7654 901-199
 Net: www.imscs.com
 E-mail: sales@imscs.com

Product data sheet

Part Number: 4834.08.2818.274

Revision: **a**
 Date: **31.08.2010**
 Signature: **C.MB**
 Page: 1 of 2

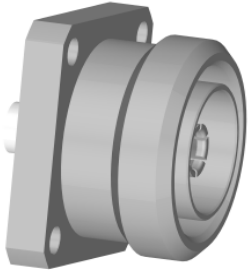
Description: 7-16(f) Flange mount cable jack

Design according to:

IEC 169-04 (Type 7/16)

Electrical characteristics

colored value means: still
under test target value

	Value	Unit	Picture
Impedance (MIL-C- 39012B)	50	[Ohm]	
Operating frequency up to	...7,5	[GHz]	
Return loss measured with cable typ: Flexif. 141-50-FEP		Habia	
1 GHz	>40	[dB]	
2 GHz	36	[dB]	
4 GHz	34	[dB]	
6 GHz	26	[dB]	
7,5 GHz	24	[dB]	
3rd. Order PIM product 2x43dBm	168	[dBc]	
Insulation resistance	5	[GOhm]	
Contact resistance			Remarks at 910MHz / at 1870 MHz
Centre contact	1,0	[mOhm]	
Outer contact	0,25	[mOhm]	
Contact current max. (DC)	15	[A]	
Operating voltage	335	[V]	
Proof voltage	1000	[V]	

Mechanical characteristics

	Value	Unit	Remarks
Coupling nut retention force	>1000	[N]	
Recommended torque	25-30	[Nm]	
Mating cycles	>500		
Leakage rate at 2 bar / air pressure	N.A.	[cm³/min]	
Guaranteed proof pressure (water)	N.A.	[bar]	

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<u>Material & plating</u>	Material	Plating
Housing Centre contact Insulator Preforms	brass copper beryllium PTFE Sn96,5 Ag3,5	Cu + 3-5µm Ag Cu + 5-8µm Ag - Flux coating

<u>Environmental influences</u>	Standard	Remarks
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	

Notes

<u>Update historie</u>		
Rev.	date	Signature
a	23.09.2010	R.Schwär