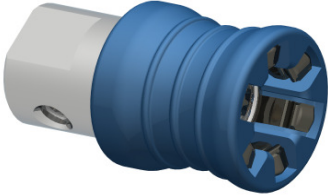


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
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<b>Part Number: 4862.QLS.1C20.065</b> <b>Description: Cable mount angle plug</b>		Revision: <b>e</b> Date: <b>11.03.2011</b> Signature: <b>R.Schwär</b> Page: 1 of 2	
<b>Design according to:</b>		-	
<b>Electrical characteristics</b>			
		colored value means: still under test target value	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	... <b>10</b>	[GHz]	
Return loss measured with cable typ:	<b>Flexiform 405</b> <b>86-50-914.183</b>		
1 GHz	<b>35</b>	[dB]	
2 GHz	<b>33</b>	[dB]	
4 GHz	<b>29</b>	[dB]	
6 GHz	<b>29</b>	[dB]	
10 GHz	<b>17</b>	[dB]	
18 GHz	-	[dB]	
3rd. Order PIM product 2x43dBm	<b>140</b>	[dBc]	
Insulation resistance	<b>5</b>	[GΩ]	at 910MHz / at 1870 MHz
Contact resistance			
Centre contact	<b>3,0</b>	[mΩ]	
Outer contact	<b>2,5</b>	[mΩ]	
Contact current max. (DC)	<b>2</b>	[A]	
Operating voltage	<b>500</b>	[V]	
Proof voltage	<b>1000</b>	[V]	
<b>Mechanical characteristics</b>			
	Value	Unit	Remarks
Engagement force	<b>30</b>	[N (typ.)]	
Separating force	<b>20</b>	[N (typ.)]	
Mating cycles	<b>100</b>		

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	Page: 2 of 2

<u>Material &amp; plating</u>	Material	Plating
Tighten part	<b>stainless steel</b>	-
Push ferrule	<b>PARA (HDTA 1,8 Mpa 230°C)</b>	-
Centre contact	<b>brass</b>	<b>Ni-P + 0,15µm Au</b>
Other metal parts	<b>brass</b>	<b>Cu + 2-4µm CuZnSn</b>
	-	-
Insulator	<b>PTFE</b>	-

<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	

Notes

<u>Update historie</u>		
Rev.	date	Signature
a	24.05.2011	R.Schwär
b	11.07.2011	R.Schwär
c	26.09.2011	R.Schwär
d	09.12.2011	R.Schwär
e	26.06.2012	R.Schwär