

**Product Data Sheet / Produkt Datenblatt**

<b>Part Number</b>	<b>5205.VDZ.2010.005</b>	<b>Teilenummer</b>
<b>Description</b>	<b>4.3-10 - Chassisbuchse 4.3-10 - Bulkhead jack</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>IEC-61169-54</b>	<b>Ausführung nach</b>

**Electrical characteristics / Elektrische Eigenschaften**

		colored value means: under validation		
		Value/Wert	Unit/Einheit	
Impedance (MIL-C-39012B)		50	[Ω]	Impedanz (MIL-C-39012B)
Operating frequency up to		....10	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable typ:			gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	40	[dB]	
	2 GHz	33	[dB]	
	4 GHz	30	[dB]	
	6 GHz	28	[dB]	
	10 GHz	16	[dB]	
3rd. Order PIM product 2x43dBm	at 1870MHz	164	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
	Centre contact	1,0	[mΩ]	Innenkontakt
	Outer contact	0,25	[mΩ]	Außenkontakt
Contact current max. (DC)		4,0	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		500	[V] DC	Betriebsspannung
Proof voltage		1000	[V] eff	Prüfspannung

**Mechanical characteristics / Mechanische Eigenschaften**

		Value/ Wert	Unit/Einheit	
Mating cycles		≥100		Steckzyklen
Centre contact captivation: axial		>30	[N]	Innenleiter Arretierung: axial
	radial	>5	[Ncm]	radial
Centre contact retention force		1,5 - 20	[N]	Haltekraft Innenleiter
Outer contact retention force		4 - 35	[N]	Haltekraft Aussenleiter
Recommended coupling torque		<b>5</b>	[Nm]	Empfohlenes Anzugsmoment

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**Material & plating / Material & Oberfläche**

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Copper beryllium	min. 3µm Cu + 3-6µm Ag	Außenkontakt
Centre contact	Copper beryllium	min. 3µm Cu + 3-6µm Ag	Innenkontakt
Housing	Brass	2-4µm Cu + 2-4µm CuZnSn	Gehäuse
	-	-	
Insulator	PTFE	-	Isolator
	-	-	

**Environmental influences / Umwelteinflüsse**

Operating temperature range	-55°C up to +90°C Standard	Betriebstemperaturbereich
Thermal shock	IEC 60169-1, Sub-clause 16.4	Thermischer Schock
Corrosion resistance	ISO 21207 method B	Korrosionsbeständig
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64	Vibration
Shock	IEC 61169-1 9.3.14	Schock
Degree of protection (mated pair)	IEC 60529, IP68 1h / 25m	Schutzart (gesteckte Paarung)

**Notes / Aufzeichnungen**

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**Update History**

Rev.	Date	Signature	Alteration	
a	07.02.2017	RSc	Revised	
b	09.10.2017	RSc	Revised	
				Formblatt-Nr.: Form-TK-013b
				Rev. 04
				Released 17. Apr 14