

Product Data Sheet / Produkt Datenblatt

Part Number	5217.VDZ.2018.005	Teilenummer
Description	4.3-10-Flanschbuchse 4.3-10-Flange mount jack	Beschreibung
		
Design according to	IEC-61169-54	Ausführung nach

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		...12	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable typ:			gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	36	[dB]	
	2 GHz	36	[dB]	
	4 GHz	36	[dB]	
	6 GHz	32	[dB]	
3rd. Order PIM product 2x43dBm	at 1870MHz	166	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		≥5GΩ	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
	Centre contact	≤5	[mΩ]	Innenkontakt
	Outer contact	≤1	[mΩ]	Außenkontakt
Contact current max. (DC)		15	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		500	[V] DC	Betriebsspannung
Proof voltage		2500	[V] eff	Prüfspannung
RF-leakage		≥110dB @ DC to 6GHz for tool tightened plugs ≥90dB @ DC to 3GHz for tool- less plugs ≥70dB @ 3 to 6GHz for tool- less plugs		HF-Verlust
Power handling (at 90°C, altitude 3000m)		500W at 2,0GHz		Belastbarkeit (bei 90°C, Höhenlage 3000m)

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Mating cycles		≥100	[N]	Steckzyklen
Center contact captivation: axial		≥30	[N]	Innenkontakt Arretierung: axial
radial		>5	[Ncm]	radial
Center contact retention force		1,5-20	[N]	Innenkontakt Haltekraft
Outer contact retention force		4,0-35	[N]	Außenkontakt Haltekraft
Engagement force		typ. 100	[N]	Koppelkraft
Disengagement force		typ. 80	[N]	Entkoppelkraft
Recommended torque		5	[Nm]	Empfohlenes Drehmoment

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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	Cu + 5-8µm Ag	Innenkontakt
Housing	Brass	Cu min. 0,5µm +Ag min. 2µm + CuZnSn min. 0,5µm	Gehäuse
Insulator	PTFE	-	Isolator
		-	

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +90°C	Betriebstemperaturbereich
Thermal shock	IEC 60169-1, Sub-clause 16.4	Thermischer Schock
Corrosion resistance	IEC 21207 method B	Korrosionsbeständigkeit
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	Schutzklasse (gekoppelte 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	Approved