

Product Data Sheet / Produkt Datenblatt

Part Number	5237.VDZ.1010.074	Teilenummer
Description	4.3/10(m)-Kabelstecker 4.3/10(m)-Cable mount plug	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		...10	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable typ: Flexiform 402			gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	>40	[dB]	
	2 GHz	>40	[dB]	
	4 GHz	34	[dB]	
	6 GHz	33	[dB]	
	10 GHz	24	[dB]	
RF Leakage	at 2 to 3 GHz	min. -90	[dB]	HF-Verlust
3rd. Order PIM product 2x43dBm	at 1-4GHz	166	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		≥5GΩ	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤1mΩ	[mΩ]	Innenkontakt
Outer contact		≤0,2mΩ	[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

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Mating cycles		>100		Steckzyklen
Center contact captivation: axial		≥30	[N]	Innenkontakt Arretierung: axial
	radial	>3	[Ncm]	radial
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	Brass	min. 3,0µm Cu + 3-6µm Ag	Außenkontakt
Centre contact	Brass	min. 3,0µm Cu + 3-6µm Ag	Innenkontakt
Other metal parts	Brass	Cu + 2-4µm CuZnSn	sonstige Metallteile
Spring ring	Stainless steel	-	Federring
Insulator	PTFE	-	Isolator
Gasket	Silicone/Silikon	-	Dichtung

Environmental influences / Umwelteinflüsse

Operating temperature range	-65°C up to +165°C	Betriebstemperaturbereich
	Standard	
Climatic sequence:	IEC 60068-2-61	Klimafolge:
1. Dry heat	IEC 60068-2-2-Ba	1. Trockene Hitze
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	2. Feuchte Wärme, zyklisch, 1 Zyklus
3. Cold	IEC 60068-2-1-Aa	3. Kälte
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Dd	4. Feuchte Wärme, zyklisch, 6 Zyklen
Corrosion	MIL-STD-202, Method 101, Cond.B	Korrosion
Solder profile		Lötprofil

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
				Formblatt-Nr.: Form-TK-013ab
				Rev. 04
				Released 17. Apr 14