

Product Data Sheet / Produkt Datenblatt

Part Number	1164.01.1410.061	Teilenummer
Description	Kabelstecker cable plug	Beschreibung
		
Design according to	IEC 1169-36 (Type MCX)	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		6	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable typ:			gemessen mit Kabel Typ: Rückflusdämpfung
Nissei FCCA(086)-50	1 GHz	30	[dB]	Nissei FCCA(086)-50
	2 GHz	23	[dB]	
	4 GHz	15	[dB]	
Belden 1671 A	1 GHz	27	[dB]	Belden 1671 A
	2 GHz	21	[dB]	
	4 GHz	13	[dB]	
Insulation resistance		10	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
	Centre contact	5,0	[mΩ]	Innenkontakt
	Outer contact	1	[mΩ]	Außenkontakt
Contact current max. (DC)		1,2	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		170	[V] DC	Betriebsspannung
Proof voltage		750	[V] eff	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Engagement force		max. 18	[N]	Steckkraft
Separating force		min. 6 - max. 18	[N]	Ziehkraft
Mating cycles		> 500		Steckzyklen
Water resistance				Wasserbeständigkeit

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Material & plating / Material & Oberfläche

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Spring basket	Copper beryllium	Ni + 0,8µm Au	Federkorb
Centre contact	Brass	Cu + Ni + 1,3µm Au	Innenkontakt
Housing	Brass	Cu + Ni + 0,2µm Au	Gehäuse
Insulator	PTFE	-	Isolator

Environmental influences / Umwelteinflüsse

Operating temperature range	-40°C up to +85°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
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
			Formblatt-Nr.: Form-TK-013b
			Rev. 04
			Released 17.ápr.14