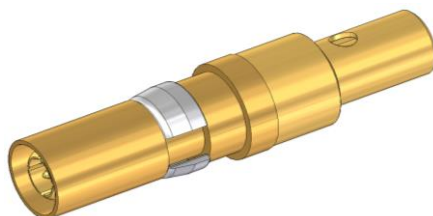


Product Data Sheet / Produkt Datenblatt

Part Number	53.1415.451	Teilenummer
Description	Cable mount plug	Beschreibung
Design according to	DIN 41626 part2 (Type HF5)	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		1	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
measured with cable type: K02252D	1 GHz	> 18	[dB]	gemesseem mit Kabeltyp:K02252D
Insulation resistance		1	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 10	[mΩ]	Innenkontakt
Outer contact		≤ 3	[mΩ]	Außenkontakt
Contact current max. (DC)		1,4	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 250	[VRMS]	Betriebsspannung
Proof voltage		750	[VRMS]	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Engagment force		max. 10	[N]	Steckkraft
Separating force		min. 1	[N]	Ziehkraft
Mating cycles		> 500		Steckzyklen

Product Data Sheet / Produkt Datenblatt

Part Number	53.1415.451	Teilenummer
Description	Cable mount plug	Beschreibung

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	Ni + 1,3µm Au	Innenkontakt
Insulator	PTFE	-	Isolator
Clipping	Bronze	Cu + 3-5µm Ni	Haltering
Connector sleeve	Brass	Cu + Ni + 0,2µm Au	Steckerhülse
Crimp ferrule	Brass	Cu + Ni + 0,2µm Au	Crimphülse
Connecting piece	Brass	Cu + Ni + 0,2µm Au	Anschlussstück

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°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 17.04.14