

## IMS Product Specification/ Product Data Sheet

<b>Part Number</b>	<b>5553.NEX.1410.075</b>	<b>Teilenummer</b>
<b>Description</b>	<b>NEX10(m)-Kabelstecker NEX10(m)-Cable mount plug</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>RT-NEX10</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		...20GHz	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable typ:	Flexiform 402		gemessen mit Kabel Typ:	Rückflussdämpfung
	@ DC to 4 GHz	≥30	[dB]		
	@ 4 to 6 GHz	≥28	[dB]		
Insertion loss		≤0.05 x √f[GHz]	[dB]		
RF-leakage	@ DC to 6 GHz	≥110	[dB]		
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	≥160	[dBc]		PIM Produkt 3. Ordnung
Insulation resistance		≥5	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
Centre contact		≤1.5	[mΩ]		Innenkontakt
Outer contact		≤1.5	[mΩ]		Außenkontakt
Power handling	at 2GHz and 85°C	100	[W] DC		Belastbarkeit
	at 2GHz and 105°C	50	[W] DC		
Working voltage		500	[V] eff		Spannung
		Value/ Wert	Unit/ Einheit		
Mating cycles		≥100			Steckzyklen
Retention force of coupling mecha.		>500	[N]		Haltekraft für Kupplungsmechanismus
Recommended torque		1,5	[Nm]		Empfohlenes Anzugsmoment
Water resistance	(mated pair)	IP68 24h/1m			Wasserbeständigkeit (gestecktes Paar)

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### Material & plating / Material & Oberfläche

RoHS (2011/65/EU) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Copper beryllium	Cu + 5-8µm Ag	Außenkontakt
Centre contact	Brass	Cu + 5-8µm Ag	Innenkontakt
Housing	Brass	Cu + Ni + 3-5µm Sn	Crimphülse
Spring ring	Bronze	-	Federring
Insulator	PTFE	-	Isolator
Gasket	Silicone/Silikon		Dichtung

### Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°C	Betriebstemperaturbereich
Thermal shock	IEC 61169-1 9.4.4.	Wärme Schock
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64	Vibration
Shock	IEC 61169-1 9.3.14	Schock
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.

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