


**Product Data Sheet / Produkt Datenblatt**

<b>Part Number</b>	<b>4100.SMBA.2X10.029</b>	<b>Teilenummer</b>
<b>Description</b>	<b>SMBA (f) - Kabelkuppler SMBA (f) - Cable mount jack</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>ISO 20860 / DIN 72594 (FAKRA)</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		4	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable typ: RG 174			gemessen mit Kabel Typ: Rückflusdämpfung	
	1 GHz	30	[dB]		
	2 GHz	26	[dB]		
	4 GHz	16	[dB]		
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	/	[dBc]	PIM Produkt 3. Ordnung	
Insulation resistance		≥ 1	[GΩ]	Isolationswiderstand	
Contact resistance				Kontakt-Widerstand	
	Centre contact	≤ 5	[mΩ]	Innenkontakt	
	Outer contact	≤ 2,5	[mΩ]	Außenkontakt	
Contact current max. (DC)		1	[A] DC	Kontakt-Strombelastbarkeit max (DC)	
Operating voltage		≤ 60	[V] DC	Betriebsspannung	
Proof voltage		500	[V] eff	Prüfspannung	

**Mechanical characteristics / Mechanische Eigenschaften**

		Value/ Wert	Unit/ Einheit		
Engagement force		< 25	[N]	Steckkraft	
Separating force		< 25	[N]	Ziehkraft	
Mating cycles		> 25		Steckzyklen	
Retention force (with latch)		> 100	[N]	Haltekraft (mit Verriegelung)	

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**Material & plating / Material & Oberfläche**

	Material/Material	Plating/Oberflächen	
Outer contact	brass	Ni	Außenkontakt
Centre contact	bronze	Au	Innenkontakt
Crimp ferrule	brass / copper	Ni	Crimphülse
Other metal parts	brass		sonstige Metallteile
Insulator	PE		Isolator
Plastic Housing	PBT		Dichtung

**Environmental influences**

**Umwelteinflüsse**

Temperature range	-40°C up to +85°C	Temperaturbereich
Vibration	MIL-STD-202 Meth. 204, cond.B	Vibration
Corrosion resistance	MIL-STD-202 Meth. 101, cond.D	Korrosionsbeständigkeit
Climatic categorie	IC 60068 65/85/21	Klimakategorie
Shock	MIL-STD-202 Meth. 213, cond. G	Schock
Max. soldering temp. (PCB connectors)	N.A.	Max. Löttemp. (Leiterplattenanschlüsse)
RoHS	compliant	RoHS
Solder profile	N.A.	Lötprofil

**Notes**

**Aufzeichnungen**

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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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Revision

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