

## IMS Product Specification/ Product Data Sheet

<b>Part Number</b>	<b>5594.VDZ.2818.084</b>	<b>Teilenummer</b>
<b>Description</b>	<b>4.3/10-Flanschbuchse 4.3/10-Flange mount cable jack</b>	<b>Beschreibung</b>
<b>Design according to</b>	<b>IEC 61169-54</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		13	[GHz]		Betriebsfrequenz bis zu
Return loss	measured with cable typ: Flexiform 401 HFJ				gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	> 36	[dB]		
	2 GHz	> 33	[dB]		
	4 GHz	> 29	[dB]		
	6 GHz	> 27	[dB]		
	10 GHz	> 19	[dB]		
	12 GHz	> 18	[dB]		
3rd. Order PIM product 2x46dBm	at 400MHz	146	[dBc]		PIM Produkt 3. Ordnung
3rd. Order PIM product 2x43dBm	at 1870MHz	165	[dBc]		PIM Produkt 3. Ordnung
Insulation resistance		5	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
Centre contact		1	[mΩ]		Innenkontakt
Outer contact		0,25	[mΩ]		Außenkontakt
Contact current max. (DC)		4	[A] DC		Kontakt-Strombelastbarkeit max (DC)
Operating voltage		500	[V] <sub>RMS</sub>		Betriebsspannung
Proof voltage		1000	[V] <sub>RMS</sub>		Prüfspannung
		Value/ Wert	Unit/ Einheit		
Mating cycles		> 100			Steckzyklen
Center contact captivation radial		>5	[Ncm]		Haltekraft Innenleiter radial
Centre contact retention force		1,5-20	[N]		Haltekraft Innenleiter
Outer contact retention force		4-35	[N]		Haltekraft Aussenleiter
Recommended coupling torque		5	[Nm]		Empfohlenes Anzugsmoment

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### Material & plating / Material & Oberfläche

RoHS (2011/65/EU) conform			
	Material/Material	Plating/Oberflächen	
Spring basket	Brass	min. 5µm Cu + min. 3µm Ag	Federkorb
Centre contact	Copper beryllium	min. 2µm Cu + min. 5µm Ag	Innenkontakt
Housing	Brass	min. 5µm Cu + min. 3µm Ag	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

### Notes

### Aufzeichnungen

2021.03.25 Zs. Simon rev.a plating of housing and spring basket changed / PIM 400 MHz added

2021.06.28. B. Gréczi rev.b return loss and PIM values updated

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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