


IMS Product Specification/ Product Data Sheet

Part Number	5592.08.2818.284	Teilenummer
Description	7-16(f)-Flansch kabelbuchse 7-16(f)-Flange mount cable jack	Beschreibung
		
Design according to	IEC 61169-04 (Type 7/16)	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: Flexiform 401 HFJ				gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	< 32	[dB]		
	2 GHz	< 25	[dB]		
	4 GHz	< 22	[dB]		
	6 GHz	< 22	[dB]		
3rd. Order PIM product 2x46dBm	at 400MHz	146	[dBc]		PIM Produkt 3. Ordnung
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	168	[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)		12	[A] DC		Kontakt-Strombelastbarkeit max (DC)
Operating voltage		335	[V]		Betriebsspannung
Proof voltage		1000	[V] eff		Prüfspannung
		Value/ Wert	Unit/ Einheit		
Coupling nut retention force		>1000	[N]		Steckzyklen
Recommended coupling torque		25-30	[Nm]		Empfohlenes Anzugsmoment
max. torque		35	[Nm]		max. Anzugsmoment
Mating cycles		>500			Steckzyklen

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Material & plating / Material & Oberfläche

	RoHS (2011/65/EU) conform		
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	min. 5 µm Cu + min. 3 µm Ag	Außenkontakt
Centre contact	Copper beryllium	min. 2µm Cu + min. 5µm Ag	Innenkontakt
Insulator	PTFE	-	Isolator
Pre-formed solder part	SN Ag	Flux coating	Dichtung

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

Notes

Aufzeichnungen

2021.03.25 Zs. Simon rev.a plating of outer contact and centre contact changed / PIM 400MHz added

2021.07.16 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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Revision

b

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