

## IMS Product Specification/ Product Data Sheet

<b>Part Number</b>	<b>5578.VDZ.1820.085</b>	<b>Teilenummer</b>
<b>Description</b>	<b>4.3/10(m)-Kabelwinkelstecker 4.3/10(m)-Cable mount angle plug</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		10	[GHz]	Betriebsfrequenz bis zu
Return loss <small>measured with cable typ:</small>	Flexiform 401 HFJ			<small>gemessen mit Kabel Typ:</small> Rückflusdämpfung
	1 GHz	> 42	[dB]	
	2 GHz	> 41	[dB]	
	4 GHz	> 31	[dB]	
	6 GHz	> 24	[dB]	
	10 GHz	> 16	[dB]	
	12 GHz	> 13	[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]RMS	Betriebsspannung
Proof voltage		1000	[V]RMS	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	
Housing	Brass	min. 5µm Cu + min. 2µm CuZnSn	Gehäuse
Contact pin	Brass	min. 5µm Cu + min. 3µm Ag	Kontaktstift
Nut	Brass	Cu + min. 2µm CuZnSn	Mutter
Insulator	PTFE	-	Isolator
Cap	Brass	Cu + min. 2µm CuZnSn	Deckel
Gasket	Silicone rubber	-	Dichtring

### Environmental influences

### Umwelteinflüsse

Operating temperature range	-40°C up to +85°C	Betriebstemperaturbereich
	Standard	
Thermal shock	IEC 60169-1, Sub-clause 16.4	Thermischer Schock
Corrosion resistance	ISO 21207 method B	Korrosionsbeständig
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64	Vibration
Shock	IEC 61169-1 9.3.14	Schock
Degree of protection (mated pair)	IEC 60529, IP68 1h / 25m	Schutzart (gesteckte Paarung)

### Notes

### Aufzeichnungen

2021.03.25 Zs. Simon rev.a plating of housing and contact pin changed / PIM 400MHz 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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Revision

b

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