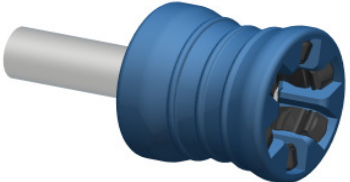


PRODUCT DATA SHEET page 1 / 2

Part Number: 5101.QLS.1X10.025
Description: QLS(m)-Cable mount plug

Design according to: **Standard (Norm)**

Electrical characteristics:

	Value	Unit	Picture
Operating frequency up to	...10	[GHz]	
Return loss measured with cable typ:	RG 316	-	
1 GHz	30	[dB]	
2 GHz	27	[dB]	
4 GHz	22	[dB]	
6 GHz	20	[dB]	
10 GHz	20	[dB]	
18 GHz	-	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	10	[GΩ]	
Contact resistance			<p>Remarks</p> <p>at 910MHz / at 1870 MHz</p>
Centre contact	3,0	[mΩ]	
Outer contact	2,5	[mΩ]	
Contact current max. (DC)	1,4	[A]	
Operating voltage	500	[V]	
Proof voltage	1000	[V]	

Mechanical characteristics:

	Value	Unit	Remarks
Engagement force	30	[N (typ.)]	
Separating force	20	[N (typ.)]	
Mating cycles	100		

PRODUCT DATA SHEET

Part Number: 5101.QLS.1X10.025
Description: QLS(m)-Cable mount plug

Material & plating:

	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	Brass	Cu + 2-4µm CuZnSn
Centre contact	Brass	Ni-P + 0,15µm Au
Crimp ferrule	Brass	Cu + 2-4µm CuZnSn
Other metal parts	Brass	Cu + 2-4µm CuZnSn
Insulator	PTFE	-
Push ferrule	PARA (HDTA 1,8 Mpa 230°C)	-
Tighten part	Stainless steel	-

Environmental influences:

Operating temperature range	-40°C up to +85°C Standard	Remarks
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db -	

Notes

Update History

Rev.	Date	Alteration	Signature

Formblatt-Nr.: Form-TK-012b	
Rev.	02
Released	21. Jun 13