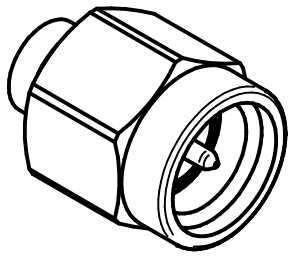
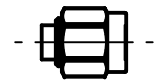
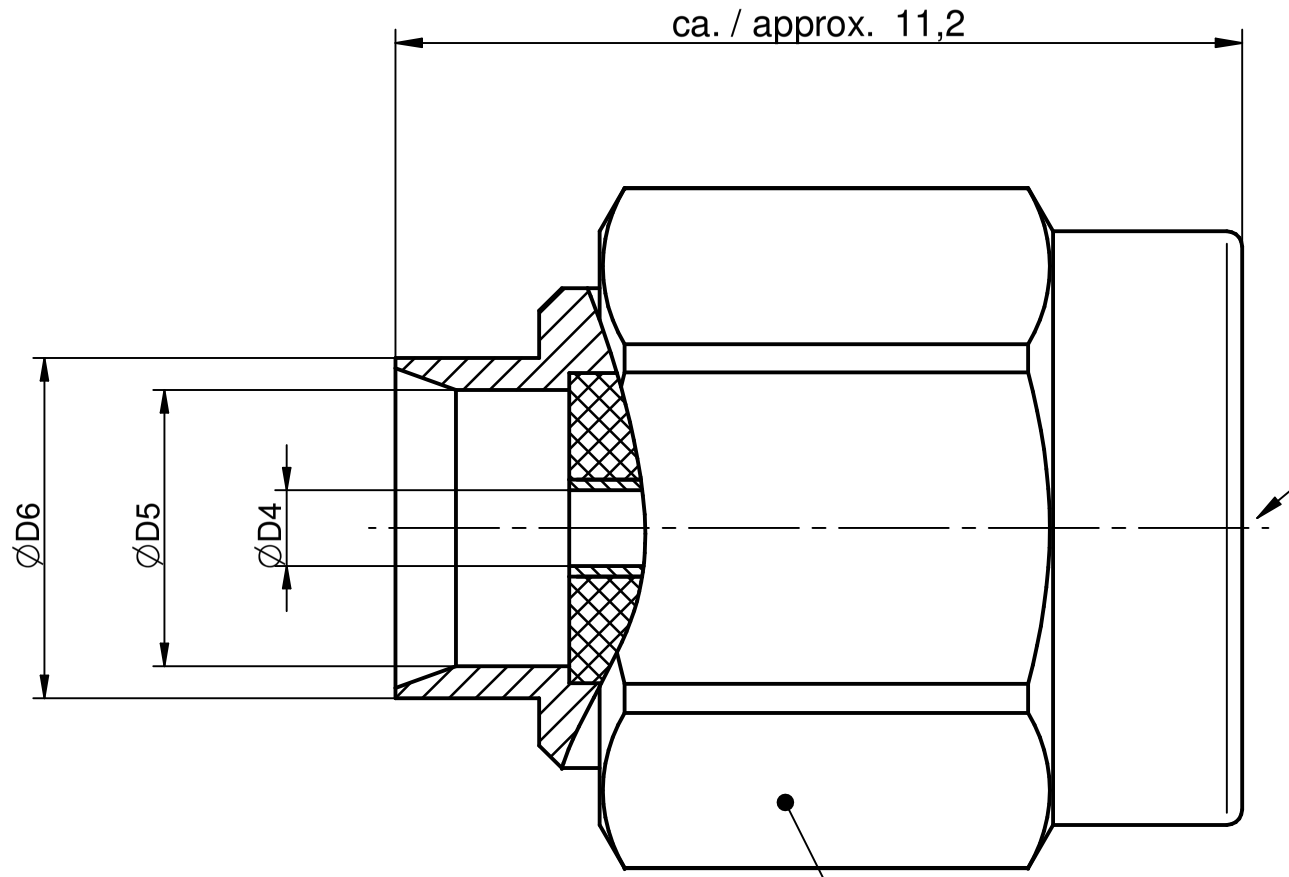


M/s 3:1



M/s 1:1
KG/CG 7



RoHS-konform ⓘ

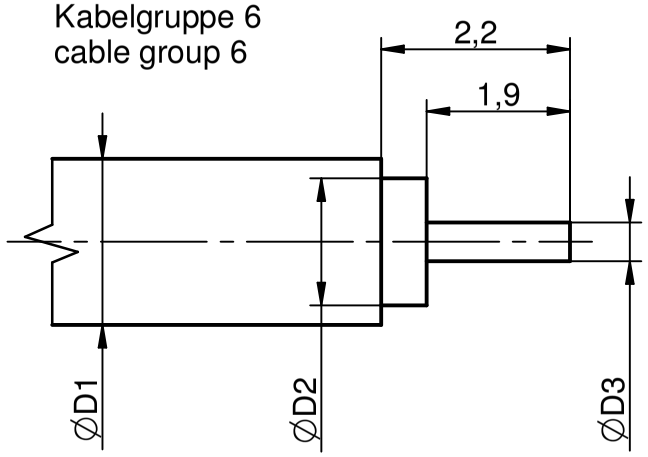
Anziehdrehmoment:
Ma = 0,9Nm±5%

RoHS-compliant ⓘ

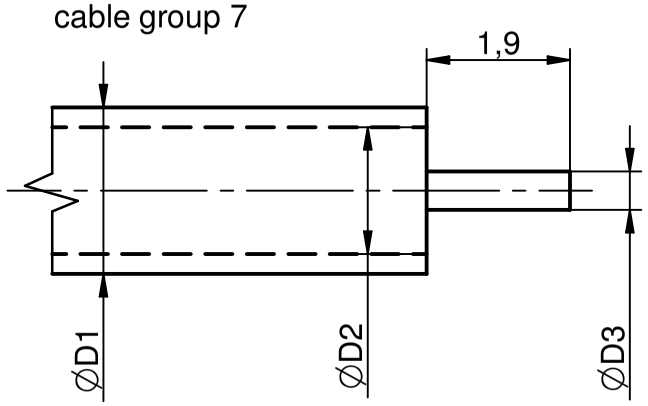
locking torque:
Ma = 0,9Nm±5%

Kabelzuschnitt:
Stripping dimension:

Kabelgruppe 6
cable group 6



Kabelgruppe 7
cable group 7



Für Kabel /
For cable

KG / CG	Type / Typ	ØD1	ØD2	ØD3	ØD4	ØD5	ØD6
6	RG 405/U , UT-85	2,20	1,68	0,51	0,70	2,25	3,10
7	RG 402/U , UT-141	3,58	3,00	0,94	1,00	3,65	4,50

nr.	rev.	alteration	date	name
EC_014_13	j	Text hinzu	30.01.13	Pölz
EC_067_12	i	Überarbeitung	09.05.12	Pölz
124/01	h	Überarbeitung	15.02.01	Hogg
057/99	g	Kabelgr. geändert	25.01.99	TM
002/99	f	SMA-Überarbeitung	08.01.99	TM
524/98	e	Überarbeitung	25.09.98	Fa
569/97	d	Text korrigiert	24.11.97	I.S.
558/97	c	0,8µm --> 1,3µm	13.11.97	I.S.

IMS CONNECTOR SYSTEMS

general tolerance
ISO 2768
mH
angle: ± 5°

	date	name
generate	20.04.83	Grode
checked		
Norm		

scale: 10:1

Assembly instruction: M-20
Stripping dimension:

SMA(m)-Kabelstecker

SMA(m)-cable mount. plug

087.42.1810.0´´

Rev. j

Product data sheet

IMS CONNECTOR SYSTEMS GmbH
Obere Hauptstrasse 30
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Fax (+49) 7654 901-199
Net: www.imscs.com
E-mail: sales@imscs.com

Part Number: 087.42.1810.071

Description: SMA-Cable mount plug

Revision: -
Date: 19.05.2011
Signature: Pölz N.

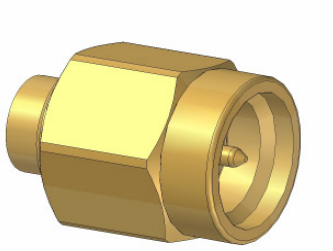
Design according to: IEC 169-15 (Type SMA)

Electrical characteristics:

colored value means: still under test target value

	Value	Unit
Impedance (MIL-C- 39012B)	50	[Ω]
Operating frequency up to	18	[GHz]
Return loss measured with cable typ:	UT 141	-
1 GHz	40	[dB]
2 GHz	40	[dB]
4 GHz	33	[dB]
6 GHz	27	[dB]
10 GHz	19	[dB]
18 GHz	15	[dB]

Picture



	Value	Unit	Remarks
3rd. Order PIM product 2x43dBm	/	[dBc]	at 910MHz / at 1870 MHz
Insulation resistance	≥10	[GΩ]	
Contact resistance			
Centre contact	≤ 3	[mΩ]	
Outer contact	≤ 2	[mΩ]	
Contact current max. (DC)	2	[A]	
Operating voltage	<500	[V]	
Proof voltage	1000	[V]	

Mechanical characteristics:

	Value	Unit	Remarks
Recommended torque coupling nut	0,45	[Nm]	
Retention force coupling nut	>270	[N]	
Mating cycles	> 500		

Product data sheet

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Part Number: 087.42.1810.071	Revision: **-**
	Date: **19.05.2011**
	Signature: **Pölz N.**
Description: SMA-Cable mount plug	Page: 2 of 2

Material & plating:	**RoHS (2002/95/EC) conform**	
	Material	Plating
Housing	**Brass**	**Cu + Ni + 0,2µm Au**
Centre contact	**Brass**	**Cu + Ni + 1,3µm Au**
Coupling nut	**Brass**	**Cu + Ni + 0,2µm Au**
Spring ring	**Stainless steel**	**-**
Insulator	**PTFE**	**-**
Gasket	**Silikon rubber**	**-**

Environmental influences:		
Operating temperature range	-55°C up to +125°C	
	Standard	Remarks
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	
Solder profile:	-	

Notes:

Update historie

Rev.	Date	Alteration	Signature

Formblatt-Nr.: Form-TK-012b