Features

- Suitable for FOC and coaxial contacts acc. to DIN 41 626
- Using of guiding pins (male and female) is imperative (see chapter 40).

Contact arrangement

according to following matrix

Contacts	Male insert (M) 09 14 004 4501	Female insert (F) 09 14 004 4512
Coaxial contacts	09 14 000 62xx	09 14 000 61xx
F.O. contacts	20 10 xxx 421x	20 10 xxx 422x

Coaxial cables (group 2)

Wires	Shell ∅	Internal wire ∅	Attenuation db/100 m at		
	mm	mm	100 MHz	200 MHz	800 MHz
50 Ω					
RG 174 / U	2.5	0.48			84
RG 188 A / U	2.6	0.54	29	40	
RG 316 / U	2.5	0.54		40	
75 Ω					
RG 179 B / U	2.55	0.3		41	
RG 187 A / U	2.7	0.3		41	

Technical characteristics

Specifications	DIN EN 60 664-1 DIN EN 61 984
Approvals	

Inserts

Number of contacts	4
Insulation resistance	≥ 10^{10} Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Contacts

Coaxial contacts

Material	copper alloy
Surface	
- hard-gold plated	demand level 2
Impedance	50 Ω / 75 Ω
Contact resistance	
- Internal wire	≤ 10 mΩ
- Outer conductor	≤ 3 mΩ
Rated current	1.5 A
Rated voltage	50 V

F.O. contacts

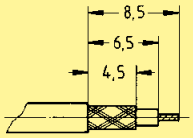
Fibre type	Glas fibre (GI)
Attenuation	< 1.5 dB

F.O. contacts

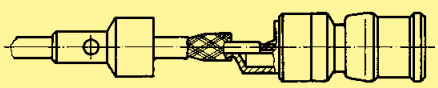
Fibre type	Polymer Optical Fibre (POF)
Attenuation	< 2.5 dB

Assembly instructions

Stripping de-scription



Assembly details for coaxial contacts



Crimp barrel solder

Solder temperature	approx. 300 °C
Solder duration	approx. 2 s

Due to the closed entry design of female insert the upper part has to be removed by screw driver (7 mm) before extracting the contacts. In this case the module will be destroyed.