

Features

- 4 contact chambers for
 - Coaxial contacts
 - FOC contacts
 - High voltage contacts

- Male insert with protection collar

- Polarization of module

- Both male and female modules may be mounted in the same frame

Technical characteristics

Specifications DIN VDE 0627
DIN VDE 0110

Approvals

Inserts

Number of contacts	4
Pollution degree	3 (C)
Material	Polycarbonate
Insulation resistance	$\geq 10^{10} \Omega$
Temperature range	- 40 °C ... + 125 °C
Flammability acc. to UL 94	V0
Mechanical working life	≥ 500
- mating cycles	

Contacts

Coaxial contact	
- Material	copper alloy
- Contact surface	
hard-gold plated	2.5 μm / 0.8 μm Au over 4 μm Ni
- Impedance	50 Ω / 75 Ω
- Contact resistance	
centre conductor	$\leq 10 \text{ m}\Omega$
outer conductor	$\leq 3 \text{ m}\Omega$
- max. working current	1.5 A
- Working voltage	50 V
High voltage	
- Material	copper alloy
- Contact surface	
hard-gold plated	1.3 μm Au over 4 μm Ni
- Contact resistance	max. 3.0 $\text{m}\Omega$
- Max. working current	1.5 A
- Working voltage	1000 V ³⁾
FOC contact ²⁾	
- Fibre type	glass fibre (GI)
- Attenuation	< 1.5 dB
FOC contact ²⁾	
- Fibre type	polymer optical fibre
- Attenuation	< 2.5 dB

Contact arrangement

according to table below:

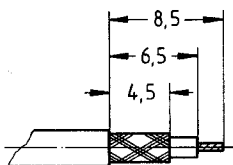
Contacts	Male insert (M) 09 14 004 4501	Female insert (F) ¹⁾ 09 14 004 4512
Coaxial contacts	Female contacts	Male contacts
High voltage contacts	Female contacts	Male contacts
FOC contacts	Male contacts	Female contacts

Coaxial contacts

for use with the cables listed below:

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

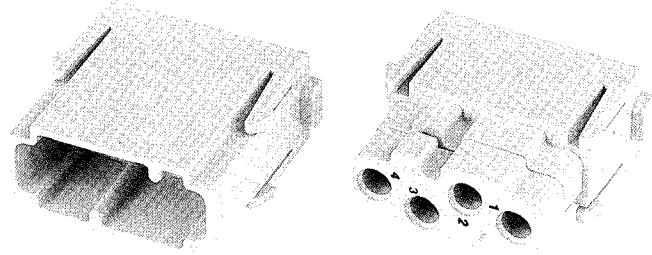
Stripping description:



¹⁾ 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
²⁾ See catalogue „Fibre Optic Data Link Systems“
³⁾ If the module is loaded only with high voltage contacts

Number of contacts

4



Han® Multicontact-module

Identification	Part No.		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Multicontact-module				
Order contacts separately	09 14 004 4501	09 14 004 4512		
				<p>View from termination side</p>

Han
Modular

Identification	Part No.		Drawing	Dimensions in mm
	Male contacts	Female contacts		
Coaxial contacts ¹⁾ for straight solder and/or crimp terminations				
	50 Ω	09 14 000 6111	09 14 000 6211	
	75 Ω	09 14 000 6121	09 14 000 6221	
High voltage contacts ¹⁾ for straight solder terminations				
		09 03 000 6140	09 03 000 6240	<p>wire gauge max. 0.5 mm²</p>
FOC contacts according to DIN 41 626 part 3 ¹⁾ for GI-fibre 50/125 μm 62.5/125 μm				
		20 10 125 4211	20 10 125 4221	
for 1 mm Polymer Optical Fibre (POF)		20 10 001 4211	20 10 001 4221	

¹⁾ See contact arrangement page 06.22

Stock items in bold type