

CP Series

The RF electrical connector CP series is an imitation of the Russian series of products, used for the separation and connection of wireless electronic devices, cables and instruments or components of the same instrument. It has the structure of cables, instrument connections, transfers, tees and four-way structures. . Plugs and sockets have threaded, plug-in, and bayonet connections. Impedance is 50Ω and 75Ω.



Technical characteristics: (CP-50/75)

- Ambient temperature: -60°C~+85°C
 - Sinusoidal vibration: frequency 5~2500 (Hz); acceleration 15g
 - Mechanical impact: single acceleration 150g
multiple times 75g
 - Contact resistance: ≤0.010
 - Insulation resistance: ≥ 1000MΩ
 - Working voltage: 10V
 - Working current: 0.5V
- (Technical conditions: ГЕО.364.235ТУ)

Ordering information

Serial number	Code meaning	Code meaning	APMA code
1	Model electrical connector	CP	CP
2	Impedance of Instrument part and cable part	50, 75	50, 75
3	Design serial number: Bayonet type Threaded Plug-in	1-100 101-500 501-700	1-100 101-500 501-700
4	Support Washer Insulation Material Polyethylene Fluoroplastic	Π Φ	H F

Ru:

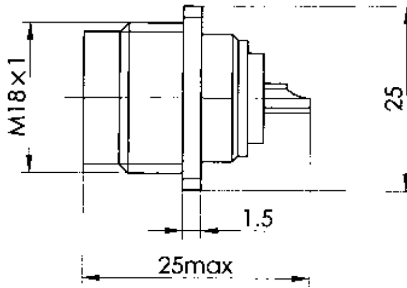
Model	CP -	75 -	66	F	B
Impedance (Ω)					
66 – Bayonet connection					
Fluoroplastic material					
All-weather					

APMA

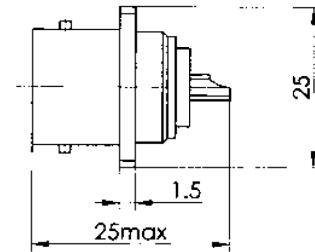
Model	CP -	50 -	267	F	B
Impedance (Ω)					
267 – Threaded connection					
Fluoroplastic material					
All-weather					

Appearance, installation, dimensions (mm)

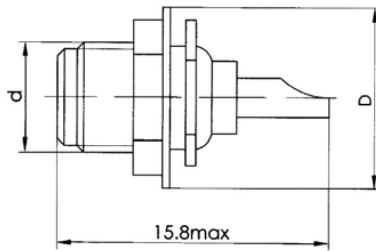
Instrument plugs and sockets



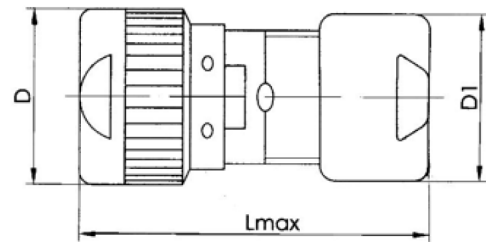
Threaded connection socket CP-50-165FB



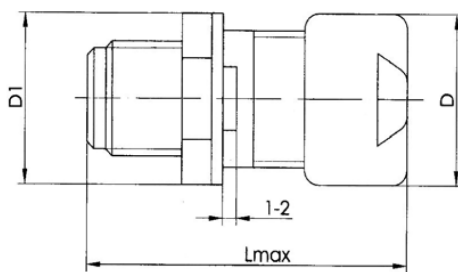
Bayonet connection socket CP-50-65FB
CP-75-66FB



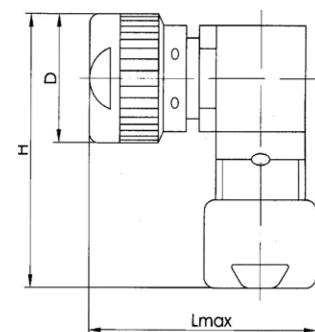
Threaded connection socket CP-50-267FB
(See table 1) CP-75-268FB



Bayonet connection plug CP-50-275FB
(See table 5) CP-50-276FB

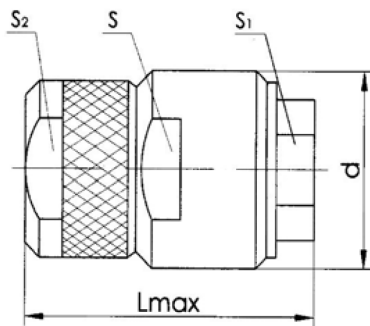


Straight socket CP-50-282FB
(See table 5)



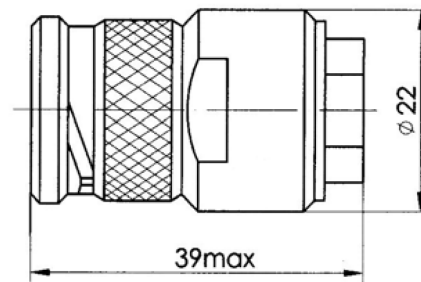
Elbow plug CP-50-287FB
(See table 4)

Cable plugs and sockets

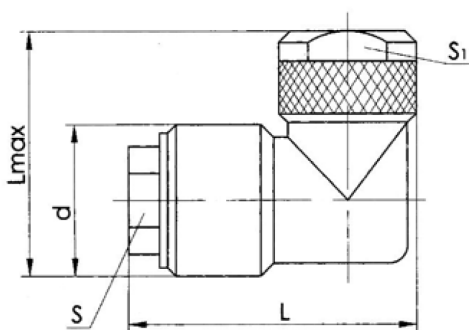


Straight cable plug with threaded connection
(See table 2)

CP-75-154FB
CP-50-164HB
CP-50-130HB

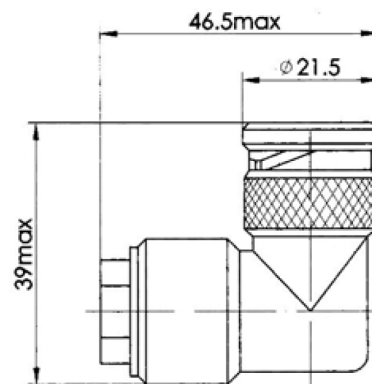


Bayonet connection straight cable plug

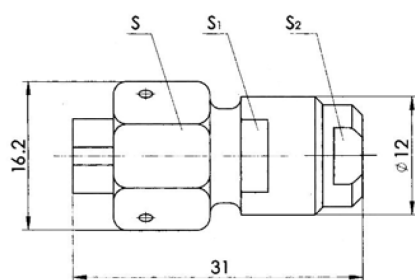


Threaded connection elbow cable plug
(See table 3)

CP-50-161HB

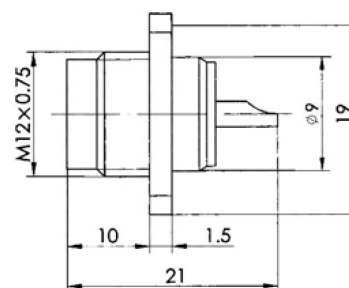


Bayonet connection elbow cable plug

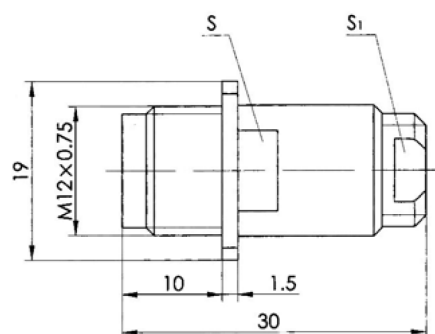


Straight cable plug
(See table 6)

CP-50-155FB
CP-50-159FB



Instrument socket CP-50-150FB



Instrument cable socket CP-50-154FB
(See table 7)

CP-50-158FB

Matching table:

Socket (head)	Corresponding plug (seat) - straight	Corresponding plug (seat) - angled type
CP-75-268FB	CP-75-280FB	CP-75-289FB CP-75-290FB CP-75-291FB
CP-50-165FB	CP-50-130HB, CP-50-164HB CP-50-164FB	CP-50-161HB
CP-50-267FB	CP-50-275FB, CP-50-276FB	CP-50-287FB

Size Chart:

Table 1

Model	d	D
CP-50-267FB	M6×0.5	11
CP-75-268FB	M8×0.5	12.4

Table 2

Model	Lmax	d	S	S1	S2
CP-75-154FB	39	22	19	14	19
CP-50-164HB	39	22	19	14	
CP-50-130HB	39	22	19	14	

Table 3

Model	Lmax	L	d	S	S1
CP-50-161HB	35	46.5	22	14	19

Table 4

Model	L	H	D
CP-50-287FB	21	21	9.5

Table 5

Model	D	D1	L
CP-50-275FB	9.7	9.5	22.3
CP-50-276FB	9.7	9.5	22.3
CP-50-282FB	9.5	10.8	21.6

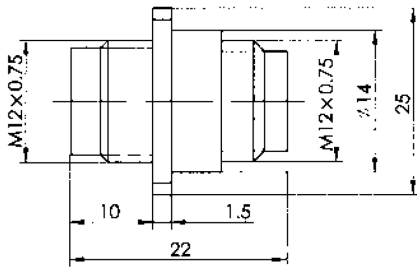
Table 6

Model	S	S1	S2
CP-50-155FB	14	10	7
CP-50-159FB	14	10	8

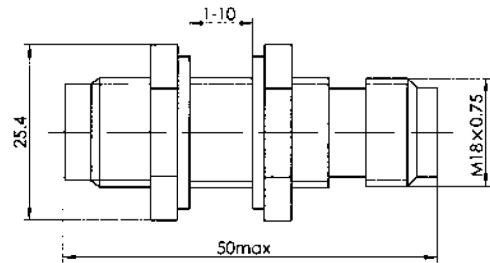
Table 7

Model	S	S1
CP-50-154FB	10	7
CP-50-158FB	10	8

Adapter

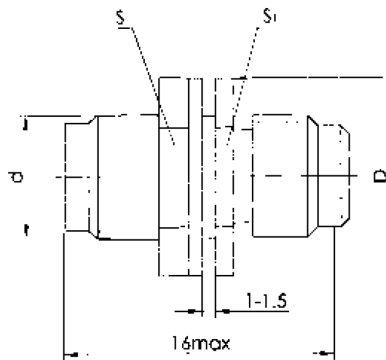


Unsealed adapter CP-50-160FB



Threaded connection lower adapter (hole-hole)

Unsealed: CP-50-162FB



Threaded connection straight adapter (Needle- Needle)

Unsealed: CP-50-271FB

Size Chart:

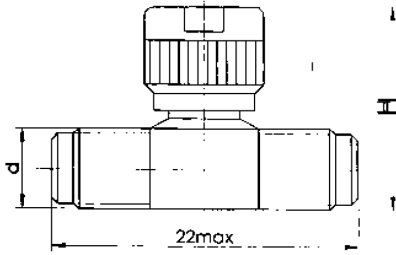
Model	Size			
	d	D	S	S1
CP-50-271FB	M6×0.5	11	8	7

Matching table:

Instrument cable plug	Instrument plug	Adapter	Corresponding connector (seat)
CP-50-154FB CP-50-156FB CP-50-158FB CP-50-168FB	CP-50-150FB	CP-50-160FB	CP-50-155FB CP-50-157FB CP-50-159FB CP-50-169FB

Unsealed adapter	Corresponds to straight plug (seat)	Corresponding to elbow plug (seat)
CP-50-162FB	CP-50-130HB, CP-50-164HB CP-50-164FB	CP-50-161HB
CP-50-271FB	CP-50-275FB, CP-50-276FB	CP-50-287FB

Tees and four links



Tee and four links CP-50-293FB

Model	d	H
CP-75-293FB	M6×0.5	17.9

Only these models can be manufactured

CP Series electrical connectors (Impedance 50Ω)

Serial number	Model	Serial number	Model
1	CP-50-57HB	20	CP-50-164FB
2	CP-50-65FB	21	CP-50-164HB
3	CP-50-73FB	22	CP-50-165FB
4	CP-50-74FB	23	CP-50-168FB
5	CP-50-106FB	24	CP-50-169FB
6	CP-50-130FB	25	CP-50-267FB
7	CP-50-130HB	26	CP-50-271FB
8	CP-50-135FB	27	CP-50-275FB
9	CP-50-150FB	28	CP-50-276FB
10	CP-50-154FB	29	CP-50-282FB
11	CP-50-155FB	30	CP-50-287FB
12	CP-50-156FB	31	CP-50-293FB
13	CP-50-157FB	32	CP-50-635FB
14	CP-50-158FB	33	CP-50-636FB
15	CP-50-159FB	34	CP-50-724FB
16	CP-50-160FB	35	CP-50-811FB
17	CP-50-161HB	36	CP-50-813FB
18	CP-50-162FB	37	CP-50-816FB
19	CP-50-163FB	38	CP-50-912FB

CP Series electrical connectors (Impedance 75Ω)

Serial number	Model	Serial number	Model
1	CP-75-66FB	7	CP-75-275FB
2	CP-75-103FB	8	CP-75-280FB
3	CP-75-107FB	9	CP-75-289FB
4	CP-75-154FB	10	CP-75-290FB
5	CP-75-164FB	11	CP-75-291FB
6	CP-75-268FB	12	CP-75-293FB