DOCUMENT NUMBER S05-H030-04E

SGP-4 Series

FC HOUSING

- for PC, 360 degree variable tuning,
for ø 0.9 mm buffered fiber, Lead-less -

TECHNICAL SPECIFICATIONS

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TECHNICAL SPECIFICATIONS

S05-001-0	August	1995
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1 SCOPE

These specifications apply to the SGP-4 series FC housing – for PC, 360 degree variable tuning for ø 0.9 mm buffered fiber, lead less - supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the housing is shown in Table 1.

Table 1 Part Number

MODEL Number	TYPE Number
SGP-4	1 8 0 0 1 J 1 G

Boot color

1	Black

Boot I.D. [mm] , Marking

8 0	for ø 0.9 buffered fiber (flame retardant), No Marking

Auxiliary digit

1 G

Specification

J	Cutout frame

Package

1	Main body tentatively assembled, Bulk Package

Cap

0	No Cap
3	White plastic cap

Please contact us for other specifications.

3 GENERAL SPECIFICATIONS

3.1 Parts and Materials

Parts and the materials are shown in Table 2.

Table 2 Parts and Materials

No.	Part Name	Qty	Material	Notes
①	Frame	1	Lead-less brass	Cutout frame, Nickel plating
②	Coupling nut	1	Lead-less brass	Nickel plating
③	Spring	1	Stainless steel	-
④	Holder	1	Lead-less brass	Nickel plating
⑤	Boot	1	Synthetic rubber	Black, Flamamability UL94 V-0
⑥	Cap	1	PE	Plastic cap, White

Notes: 1 Item on Table 2 corresponds with the item reference number on the accompanying drawings.
2 Lead (Pb) content of lead-less brass shall be 1000 ppm or less.

3.2 Physical Dimensions

Figure 1 show the SGP-4 series housing.
Figure 2 to 7 show the dimensions of the parts.
· In accordance with IEC 61754-13 Type FC-PC connector family.
· In accordance with JIS C 5970 F01 Type connectors.

3.3 General Tolerances

Permissible deviation in dimensions without tolerance indication is in accordance with ISO 2768-m (JIS B 0405-m), as shown in Table 3.

Table 3 General Tolerance (ISO 2768-m)

Basic size step [mm]		Permissible deviation [mm]
Over	Under	
0.5	3	±0.1
3	6	±0.1
6	30	±0.2
30	120	±0.3

3.4 Appearance

There should be no burr, peeling of plating or scratches that affect the product.

4 FEATURE

4.1 Mechanical Characteristics

Mechanical characteristics are shown in table 4.

Table 4 Mechanical characteristics

Test item	Conditions		Appearance & function
Vibration	IEC 61300-2-1	Frequency: 10 to 55 Hz Amplitude: 1.5 mm p-p Direction: x, y, z axis Duration: 30 min / direction	There should be no deformation, crack, loose and other damages on the plug housing.
Mating durability	IEC 61300-2-2	500 times	It can be joined without any mechanical abnormality.

4.2 Environmental Characteristics

Environmental characteristics are shown in table 5.

Table 5 Environmental characteristics

Test item	Conditions		Appearance & function
Change of temperature	IEC 61300-2-22	-40 to +85 °C, 10 cycles	There should be no deformation, crack, loose and other damages on the plug housing.
Dry heat	IEC 61300-2-18	+85 °C, 240 hr	
Cold	IEC 61300-2-17	-40 °C, 240 hr	
Humidity / condensation cycling	Telcordia GR-326-CORE	-10 to +65 °C, 90 to 100 %RH, 14 cycles	

5 PACKING

The product is packed to prevent damage during shipment.

6 IDENTIFICATION

Identification label should indicate the part number and lot number of the product(s) and should be permanently attached to the packing bag.

7 HANDLING AND CARE

7.1 Conditions of Storage

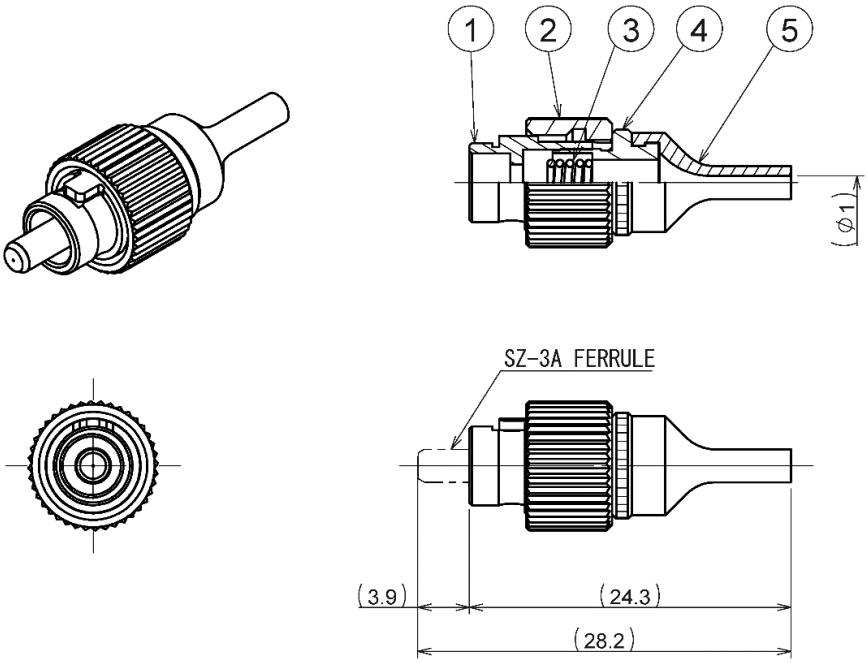
For storage of the product, keep in the packing bag and keep away from corrosive gas, high-temperature and humidity, extreme-low temperature and direct sunlight.

7.2 Precautions for Use

Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

7.3 Disposal

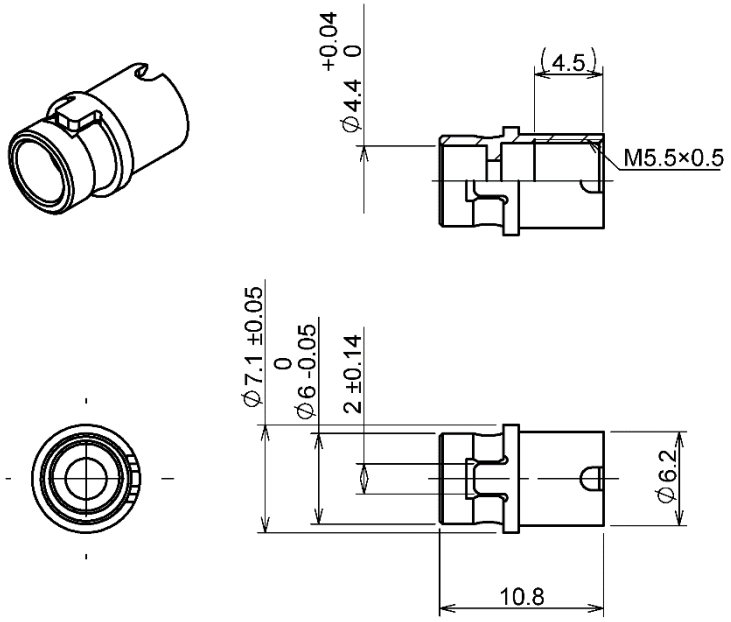
When discarding this product, please follow the regulations of your own country.



Notes: 1 This drawing shows the tentatively assembled condition including a ferrule.
On practical shipment of SGP-4 housing, this tentative assembly is not available.
2 This drawing does not include the cap.
3 The ferrule is not included in SGP-4 housing.

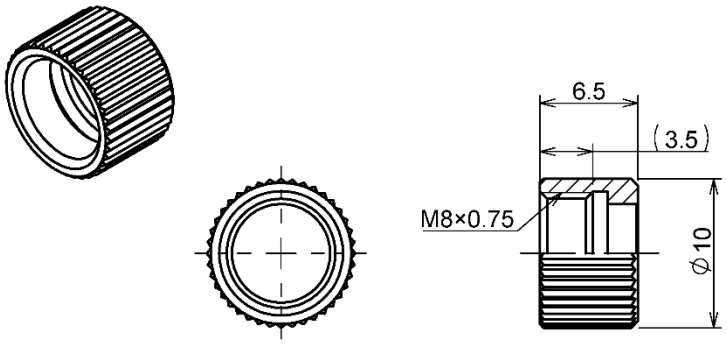
Unit: mm

Figure 1 SGP-4 Series Housing



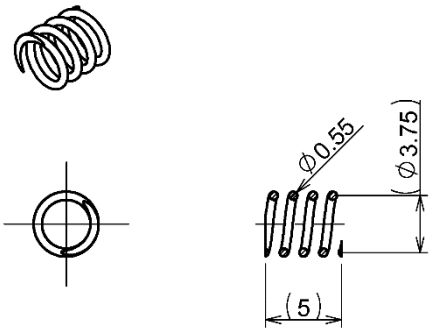
Unit: mm

Figure 2 ① Frame (Cutout frame)



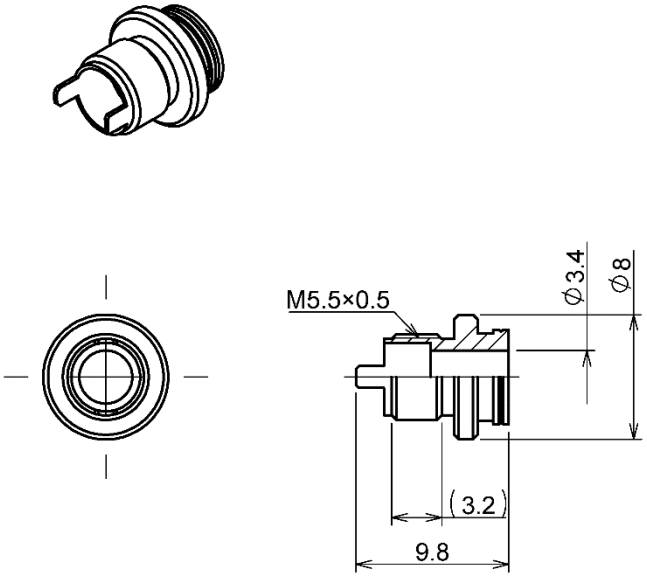
Unit: mm

Figure 3 ② Coupling nut



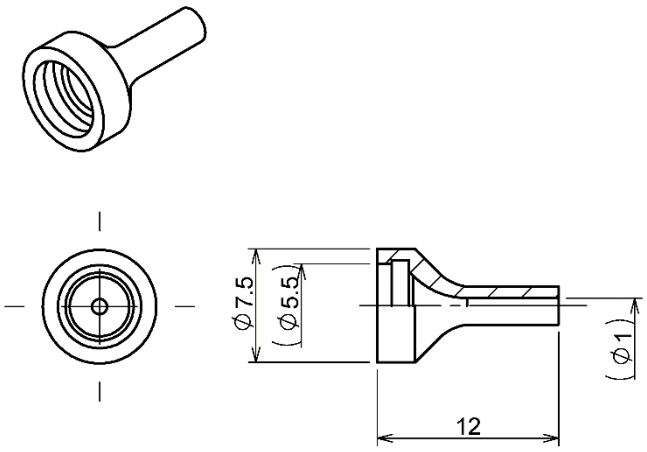
Unit: mm

Figure 4 ③ Spring



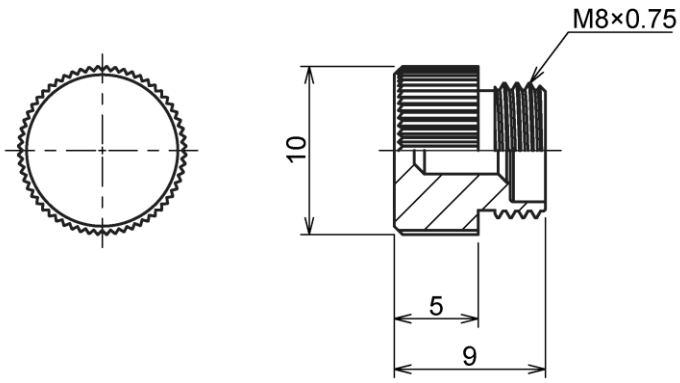
Unit: mm

Figure 5 ④ Holder



Unit: mm

Figure 6 ⑤ Boot



Unit: mm

Figure 7 ⑥ Cap (Plastic cap)