

HSC**Series****OF OPTICAL FIBER CONNECTOR**

SC TYPE 2-POSITION OPTICAL FIBRE CONNECTOR

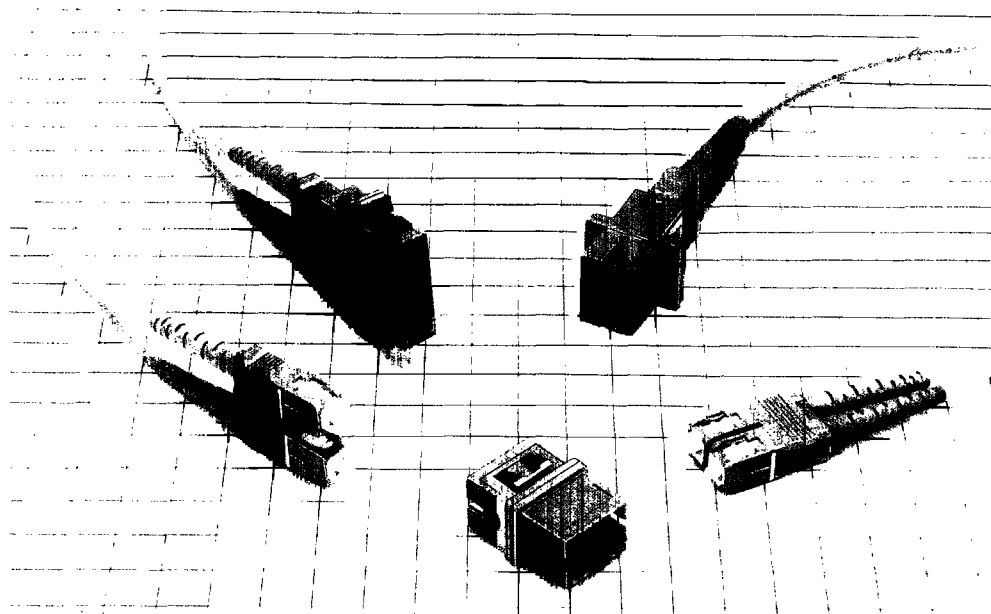
SCOPE:

The HSC series 2-position optical fiber connectors are also compatible with 1-position optical fiber connectors (JIS C 5 5973: F04 type), designed for single mode optical fiber and multi-mode optical fiber, and are widely used for optical transmission trunk lines, equipment-to-equipment systems, LANs, etc.

The connectors are available in model H with 8.5mm contact pitches suitable for high density mounting, and low-profile model F with 12.7mm contact pitches suitable for LAN.

Both H and F models of connectors have 4 types of guide arrangements each in order to prevent misconnections.

Connectors with cables are available in PC polishing, and APC polishing models to ensure ultra-low reflection.



FEATURES:

- (1) Available in model H suitable for high density mounting, and in low-profile model H suitable for LANs.
- (2) Both H and F models are provided with adapters compatible with 1-position SC type optical fiber connectors.
- (3) Four types of plugs and adapters with different key positions are available.
- (4) Excellent operability
- (5) Compact and light-weight
- (6) High performance and high reliability
- (7) Economical and efficient wiring

APPLICATIONS:

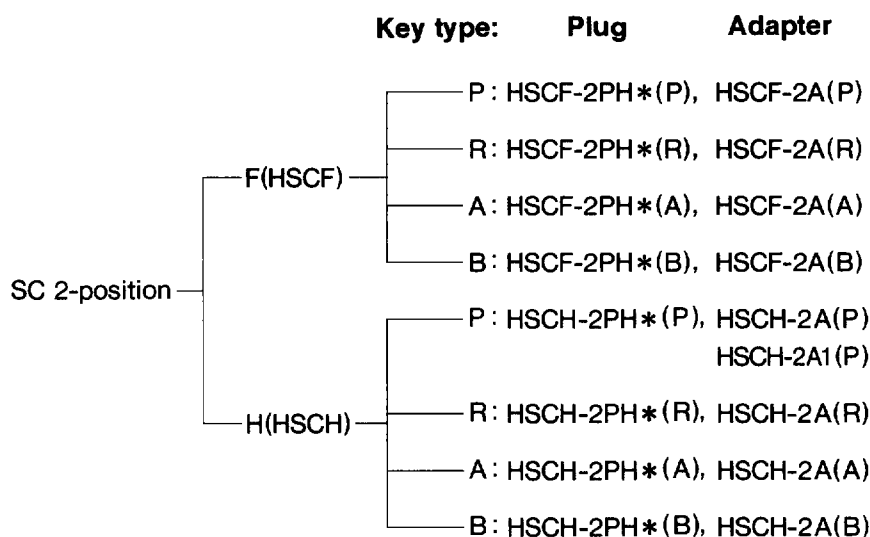
Public communication network, LAN, CATV, computer communication system, measuring instruments, etc.

OF OPTICAL FIBER CONNECTOR

SPECIFICATIONS:

- (1) Insertion loss:< standard values>
 - SSMA-9.5/125
 - PC polishing, AdPC polishing: 0.5 dB or less (light source: 1.3 μ m LD)
 - SIG-50/125
 - PC polishing: 0.3 dB or less (light source: 1.3 μ m LED)
- (2) Return loss< standard values>
 - SSMA-9.5/125
 - PC polishing: 22 dB or more (light source: 1.3 μ m LD)
 - AdPC polishing: 40 dB or more (light source: 1.3 μ m LD)
 - SIG-50/125
 - PC polishing: 22 dB or more (light source: 1.3 μ m LD)
- (3) Applicable optical fiber cable:
 - SM-9.5/125, SIG-50/125 optical fiber cables. Outer diameter: ϕ 3mm, ϕ 2mm, single and jip cables
- (4) Life
 - 500 times, insertion loss variation: 0.2 dB or less
- (5) Temperature cycle
 - 25°C ~ 70°C, 100 cycles, insertion loss variation: 0.2 dB or less
- (6) Vibration: 10~55Hz, amplitude: 1.5mm, insertion loss variation: 0.2 dB or less
- (7) Shock: 981m/S², insertion loss variation: 0.2 dB or less

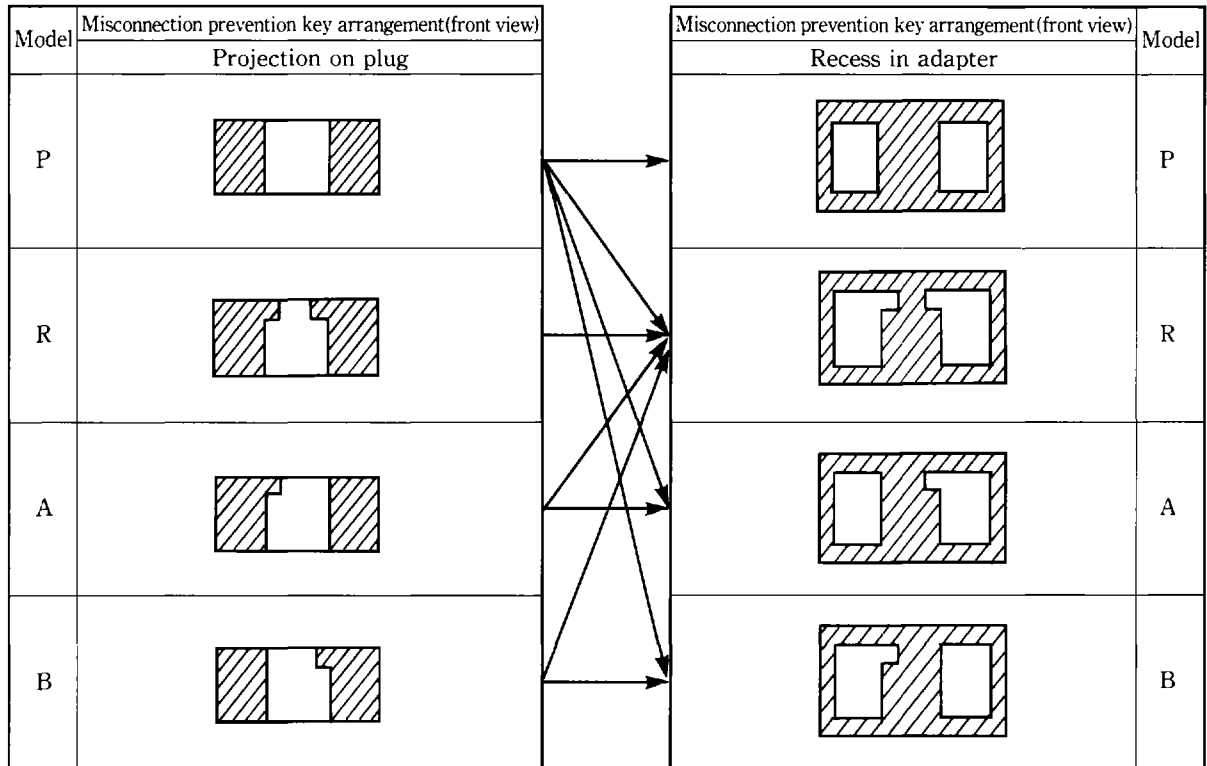
VARIETY:



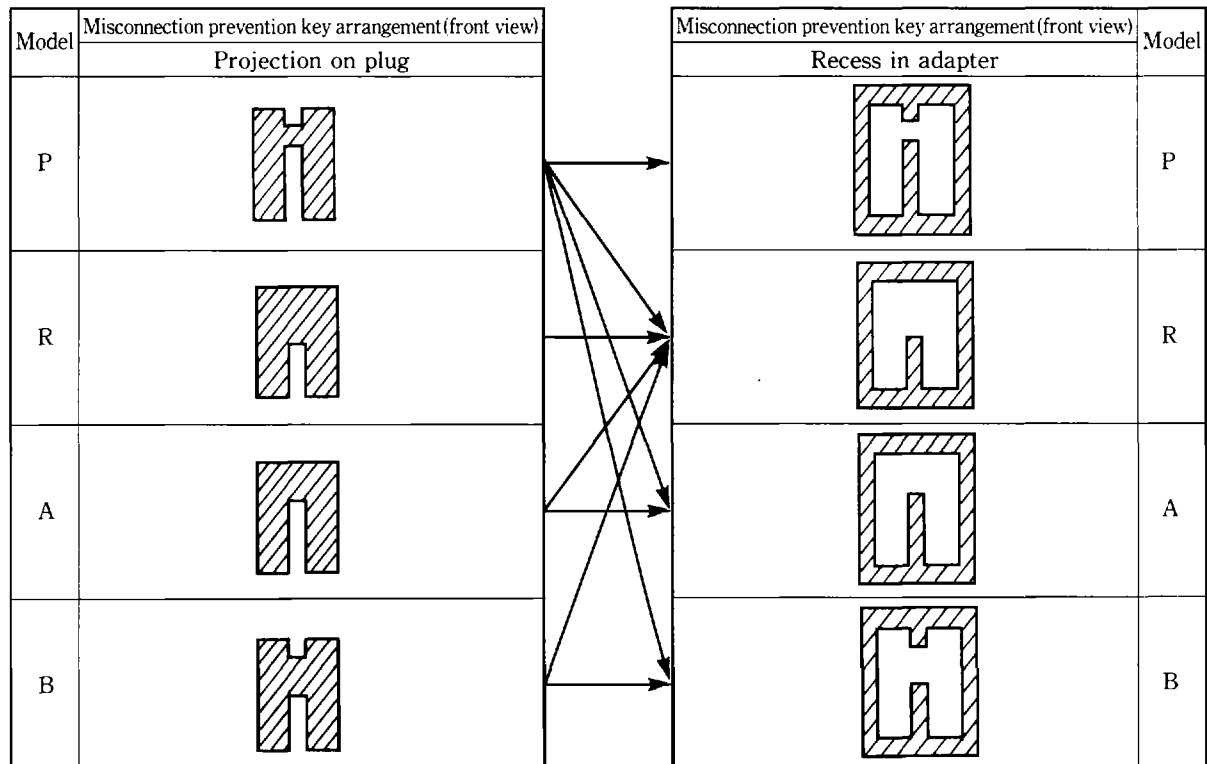
Note: Enter 2 or 3 in * in Plug models for cable diameter 2 or 3mm, respectively.

OF OPTICAL FIBER CONNECTOR

● F TYPE MISCONNECTION PREVENTION KEY ARRANGEMENT AND CONNECTION PATTERN



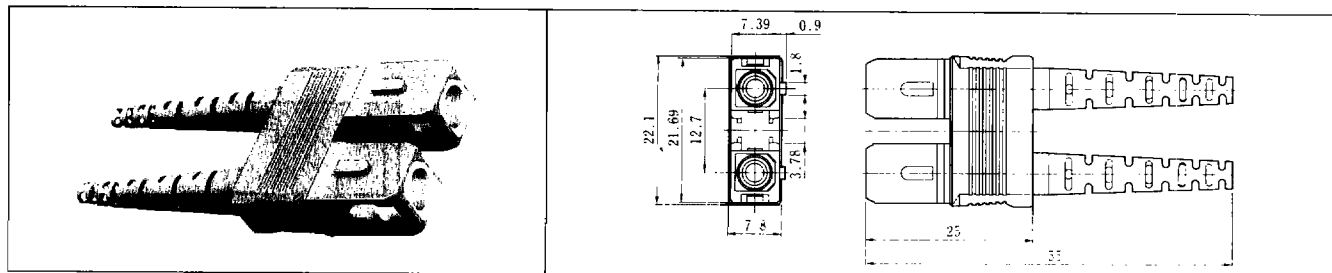
● H TYPE MISCONNECTION PREVENTION KEY ARRANGEMENT AND CONNECTION PATTERN



OF OPTICAL FIBER CONNECTOR

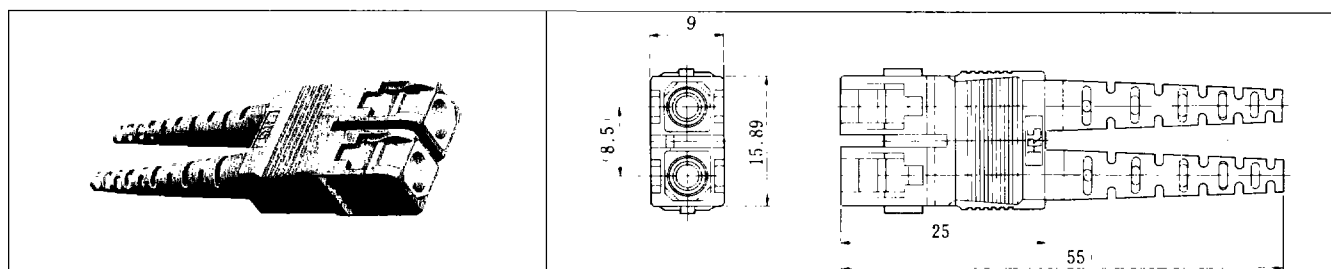
● PLUG HOUSING

<F Type, 2-position>



HRS No.	Part No.	Applicable cable dia.	Guide key	Hood color	Specifications	Remarks
CL704-2024-2	HSCF-2PH2-B1 (P)	φ 2mm	P	Blue	For PC	NTT, SC Type
CL704-2025-5	HSCF-2PH2-B1 (R)		R			
CL704-2026-8	HSCF-2PH2-B1 (A)		A			
CL704-2027-0	HSCF-2PH2-B1 (B)		B			
CL704-2028-3	HSCF-2PH2-B2 (P)		P	Light purple	For advanced PC	
CL704-2029-6	HSCF-2PH2-B2 (R)		R			
CL704-2030-5	HSCF-2PH2-B2 (A)		A			
CL704-2031-8	HSCF-2PH2-B2 (B)		B			
CL704-2032-0	HSCF-2PH3-B1 (P)	φ 3mm	P	Blue	For PC	
CL704-2033-3	HSCF-2PH3-B1 (R)		R			
CL704-2034-6	HSCF-2PH3-B1 (A)		A			
CL704-2035-9	HSCF-2PH3-B1 (B)		B			
CL704-2036-1	HSCF-2PH3-B2 (P)		P	Light purple	For advanced PC	
CL704-2037-4	HSCF-2PH3-B2 (R)		R			
CL704-2038-7	HSCF-2PH3-B2 (A)		A			
CL704-2039-0	HSCF-2PH3-B2 (B)		B			

<H type, 2-position>



HRS No.	Part No.	Applicable cable dia.	Guide key	Hood color	Specifications	Remarks
CL704-2046-5	HSCH-2PH2-B1 (P)	φ 2mm	P	Blue	For PC	—
CL704-2047-8	HSCH-2PH2-B1 (R)		R			
CL704-2048-0	HSCH-2PH2-B1 (A)		A			
CL704-2049-3	HSCH-2PH2-B1 (B)		B			
CL704-2050-2	HSCH-2PH2-B2 (P)		P	Light purple	For advanced PC	
CL704-2051-5	HSCH-2PH2-B2 (R)		R			
CL704-2052-8	HSCH-2PH2-B2 (A)		A			
CL704-2053-0	HSCH-2PH2-B2 (B)		B			
CL704-2054-3	HSCH-2PH3-B1 (P)	φ 3mm	P	Blue	For PC	
CL704-2055-6	HSCH-2PH3-B1 (R)		R			
CL704-2056-7	HSCH-2PH3-B1 (A)		A			
CL704-2057-1	HSCH-2PH3-B1 (B)		B			
CL704-2058-4	HSCH-2PH3-B2 (P)		P	Light purple	For advanced PC	
CL704-2059-7	HSCH-2PH3-B2 (R)		R			
CL704-2060-6	HSCH-2PH3-B2 (A)		A			
CL704-2061-9	HSCH-2PH3-B2 (B)		B			

OF OPTICAL FIBER CONNECTOR

● 2-POSITION CONNECTOR WITH CABLE

Part No.	Optical fiber	Polishing	Cable	Housing	Return loss
HSCF-SP**-F3A-L	SM-10/125	PC	φ 3	HSCF-2PH3	> 22dB
HSCF-SP**-F3AW-L			φ 3 jip		
HSCF-SP**-F3B-L	SGI-50/125		φ 3		
HSCF-SP**-F3BW-L			φ 3 jip		
HSCF-ASP**-F3A-L	SM-10/125	APC	φ 3		> 40dB
HSCF-ASP**-F3AW-L			φ 3 jip		
HSCH-SP**-F3A-L	SM-10/125	PC	φ 3	HSCH-2PH3	> 22dB
HSCH-SP**-F3AW-L			φ 3 jip		
HSCH-SP**-F3B-L	SGI-50/125		φ 3		
HSCH-SP**-F3BW-L			φ 3 jip		
HSCH-ASP**-F3A-L	SM-10/125	APC	φ 3		> 40dB
HSCH-ASP**-F3AW-L			φ 3 jip		
HSCF-SP**-F3Q-L	SM-10/125	PC	φ 2	HSCF-2PH2	> 22dB
HSCF-SP**-F3P-L	SGI-50/125				
HSCH-SP**-F3Q-L	SM-10/125				
HSCH-SP**-F3P-L	SGI-50/125			HSCH-2PH2	

Note 1: Enter the following model (two alphabetic chracters) of the guide key in ** in Part No.

< Both ends connection type >

PP: both ends P

PR: one end P, the other end R

PA: one end P, the other end A

PB: one end P, the other end B

RR: both ends R

RA: one end R, the other end A

RB: one end R, the other end B

AA: both ends A

AB: one end A, the other end B

BB: both ends B

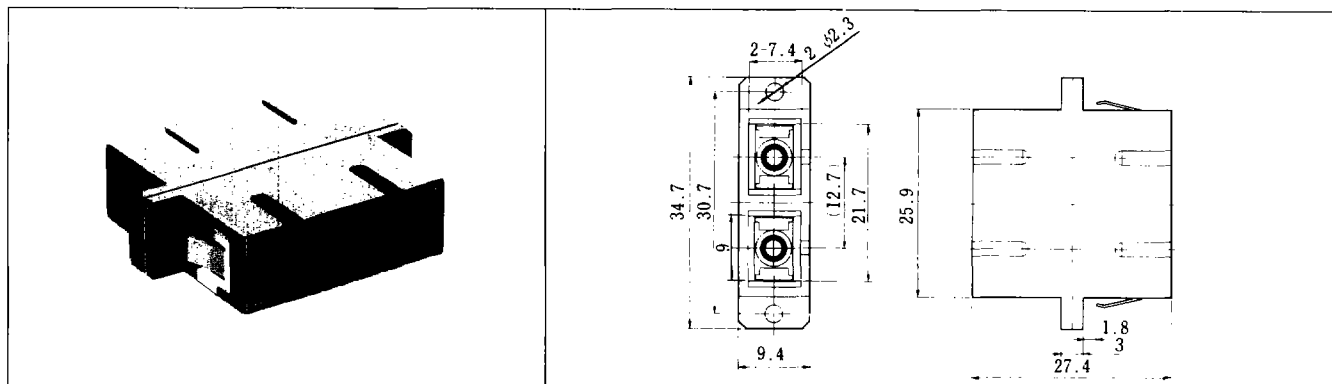
Note 2: L in Part No. denotes the cable length. When ordering, specify the cable length in meters.

Note 3: Cables not specified above such as conversion cables to 1-position optical connectors such as SC and FC are also available (optional).

OF OPTICAL FIBER CONNECTOR

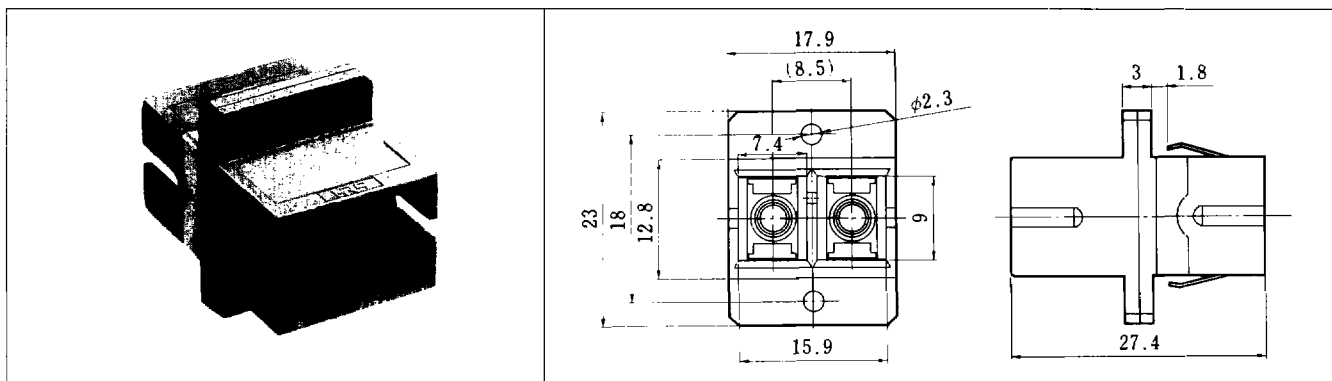
● ADAPTER

<F TYPE>



Part No.	Misconnection prevention key	Remarks
HSCF-2A(P)	P	Metal sleeve
HSCF-2A(R)	R	
HSCF-2A(A)	A	
HSCF-2A(B)	B	
HSCF-2A-D(P)	P	Zirconia sleeve
HSCF-2A-D(R)	R	
HSCF-2A-D(A)	A	
HSCF-2A-D(B)	B	

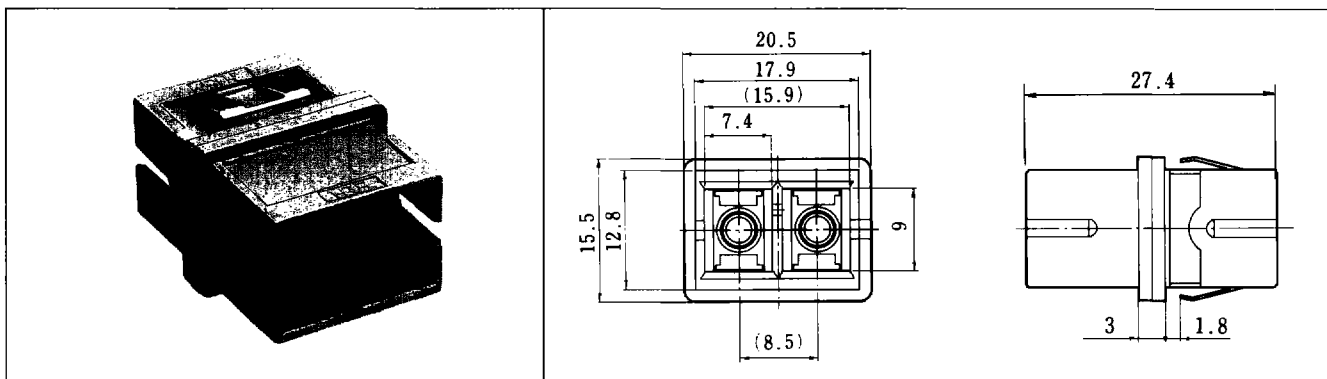
<H TYPE>



Part No.	Misconnection prevention key	Remarks
HSCH-2A(P)	P	Metal sleeve
HSCH-2A(R)	R	
HSCH-2A(A)	A	
HSCH-2A(B)	B	
HSCH-2A-D(P)	P	Zirconia sleeve
HSCH-2A-D(R)	R	
HSCH-2A-D(A)	A	
HSCH-2A-D(B)	B	

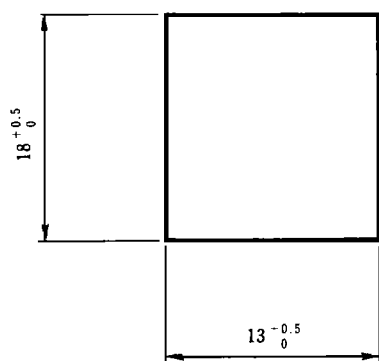
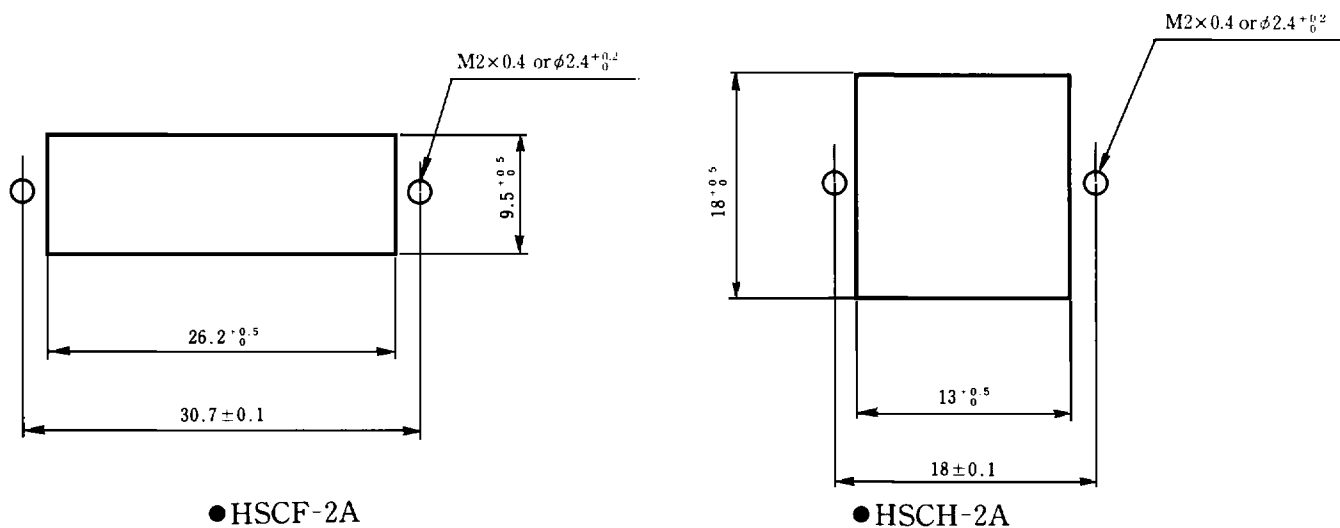
OF OPTICAL FIBER CONNECTOR

<H TYPE>



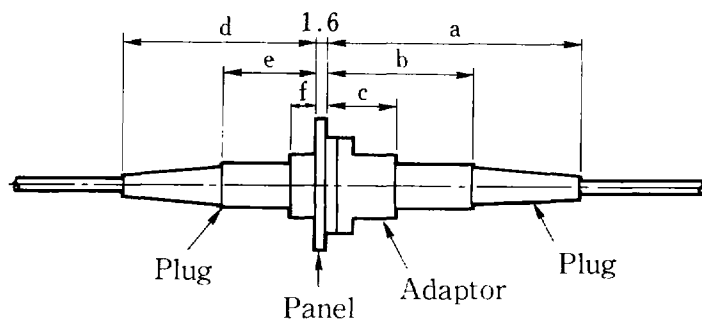
Part No.	Misconnection prevention key	Remarks
HSCH-2A1(P)	P	Metal sleeve

<Panel mounting dimensional drawing>



OF OPTICAL FIBER CONNECTOR

<MOUNTING DIMENSION>



<F TYPE>

Unit: mm

Application		Dimensions					
Adaptor	Housing	a	b	c	d	e	f
HSCF-2A(P) HSCF-2A-D(P)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCF-PH※-B※1(P) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCF-2A(R) HSCF-2A-D(R)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCF-2PH※-B※1(※2) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCF-2A(A) HSCF-2A-D(A)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCF-2PH※-B※1(A) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCF-2A(B) HSCF-2A-D(B)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCF-2PH※-B※1(B) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6

<H TYPE>

Unit: mm

Application		Dimensions					
Adaptor	Housing	a	b	c	d	e	f
HSCH-2A(P) HSCH-2A-D(P) HSCH-2A(P)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCH-2PH※-B※1(P) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCH-2A(R) HSCH-2A-D(R)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCH-2PH※-B※1(※2) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCH-2A(A) HSCH-2A-D(A)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCH-2PH※-B※1(A) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6
HSCH-2A(B) HSCH-2A-D(B)	HSC-PH※-B※1	58	28	15.2	53.4	23.4	10.6
	HSCH-2PH※-B※1(B) HSC-PH※-A2						
	HSC-PH※-A4	39.5	28	15.2	31.4	23.4	10.6
	HSC-PH1-A	36	26	15.2	31.4	21.4	10.6

Note 1. ※ denotes the optical fiber diameter ($\phi 2.2$, $\phi 3.3$)

Note 2. ※1 denotes the type of polishing by housing. 1: For PC polishing 2: For Advanced PC polishing.

Note 3. ※2 denotes the type of misconnection prevention key. A,B,P,R