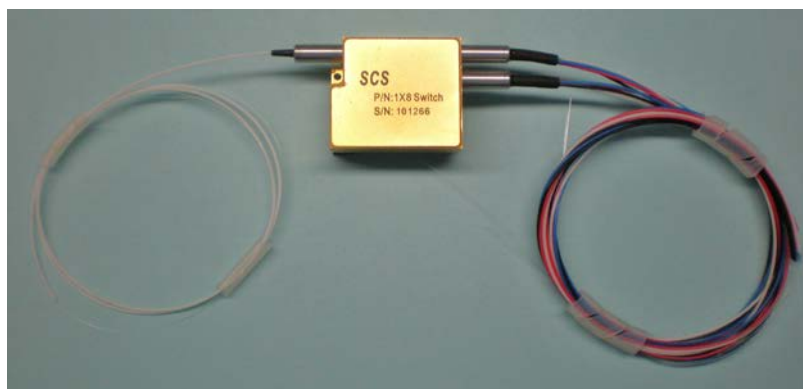


## 1×8 Single Mode Mechanical Fiber Optic Switch (Non-Latching or Latching)



### Feature:

- Unmatched Low Cost
- Low Insertion Loss
- High Channel Isolation
- Highly Stable and Reliable
- Epoxy-Free Optical path
- Non-Latching or Latching

### Application:

- Optical Network Protection/ Restoration
- Optical Signal Routing
- Configurable Optical Add/ Drop
- Transmitter and Receiver Protection
- Network Test Systems
- Instrumentation

### 1. Performance Specification:

Parameter	Unit	Specification	
Operating Wavelength	nm	1310±40 or 1550±40	1310/1550±40
Insertion Loss	dB	1.0 (Max.)	1.2 (Max.)
WDL	dB	≤ 0.25	≤ 0.30
TDL	dB	≤ 0.25	
PDL	dB	≤ 0.2	
Channel Cross Talk	dB	≥ 55	
Repeatability	dB	< ±0.05	
Return loss	dB	≥ 50	
Switching Speed	ms	≤ 15 (Typical)	
Operating Voltage	V	5 (Typical)	
Power Handling	mW	300	
Durability	Cycles	10 Million	
Operating Temperature	°C	0 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Fiber Type	/	Corning SMF-28e@Ultra	
Fiber Length	m	Customer Specify	
Dimension (L×W×H)	mm	36 × 33 × 11.5	

Notes: All above specs are without connectors. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower.

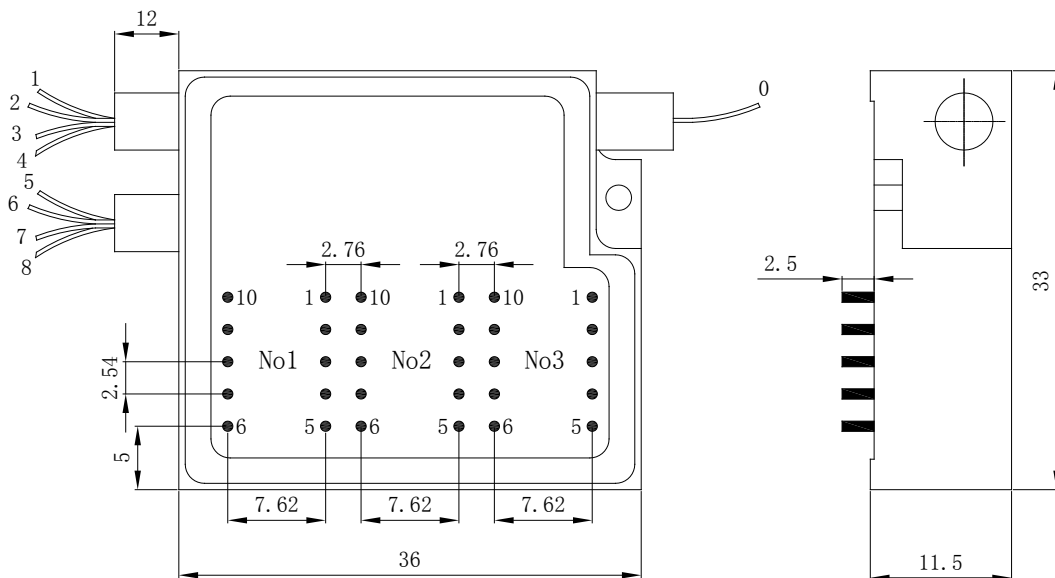
## 2. Electrical Pin Configuration:

Relay Status		Electric Drive (Pin #)				Sensor Status (Pin #)			
		1	5	6	10	2-3	3-4	8-7	8-9
Latching Type	0 (Reset)	GND	GND	GND	+	Close	Open	Open	Close
	1 (set)	+	GND	GND	GND	Open	Close	Close	Open
Non-Latching Type	0 (Reset)	NC	NC	NC	NC	Close	Open	Open	Close
	1 (set)	+	NC	NC	GND	Open	Close	Close	Open

## 3. Optical Switch Configuration:

Relay No.	NO.1	NO.2	NO.3	Switch Status
Relay Status	0	0	0	Com 0 – Port 1
	1	0	0	Com 0 – Port 2
	0	1	0	Com 0 – Port 3
	1	1	0	Com 0 – Port 4
	0	0	1	Com 0 – Port 5
	1	0	1	Com 0 – Port 6
	0	1	1	Com 0 – Port 7
	1	1	1	Com 0 – Port 8

## 4. Package Dimension:



Bottom View

Unit: mm

**5. Ordering Information:**

	Sensor Status	Operating Wavelength	Port	Grade	Pigtail Type	Fiber Length	In/Out Connector
□□□	□	□□	□□□□	□	□	□	□□
SMS	N=Non-Latching L=Latching	13=1310nm 15=1550nm 35=1310/1550nm	0108=1×8	P=P Grade	1=bare fiber 2=900μm Jacket	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC

**For Example:** SMS-N-15-0108-P-1-2-1-00