

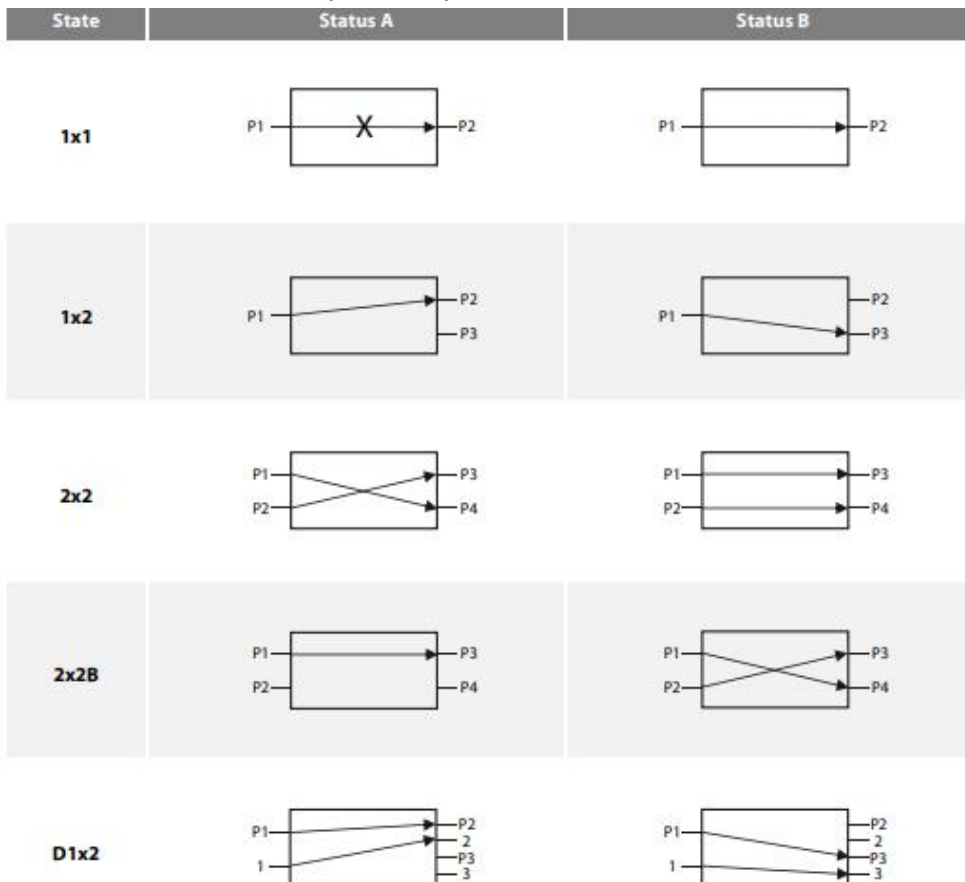
Mechanical Optical Switch

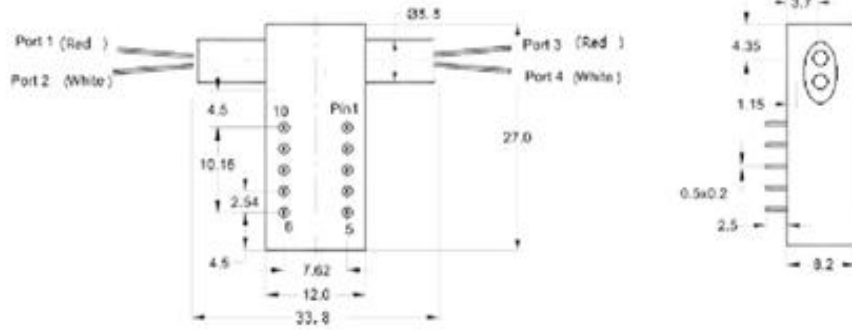
(1x2,2x2B,2x2,D1x1,D1x2,D2x2B)

Specifications

2x2 Bypass Mechanical optic Switch	Value	
Tested Wavelength	1310 or 1550	850 or 1310nm
Operating Wavelength (nm)	1260~1620	850/1310
Insertion Loss (dB)	<1.0	<1.0
Wavelength Dependent Loss (dB)	<0.2	<0.2
Temperature Dependent Loss (dB)	<0.2	<0.2
Polarization Dependent Loss (dB)	<0.05	<0.05
Return Loss (dB)	>55	>30
Cross Talk (dB)	>60	>35
Switching Time (ms)	<8	
Repeatability (dB)	<±0.02	
Durability (Cycles)	>10 Million	
Operating Optical Power (mW)	<500	
Operating Voltage (V)	3~5	
Switch Type	Non-Latching/Latching	
Operating Temperature (°C)	0~70	
Storage Temperature (°C)	-40~85	
Fiber Type	G657A1 SMF-28e	50/125 or 62.5/125
Package Dimension (mm)	(L)27.0×(W)12.0×(H)8.2	

Mechanical Dimensions (unit:mm) & Status:





Electrical Drive

Type	Optical Route	Electric Drive				Status Sensor			
1X1		Pin1	Pin5	Pin6	Pin10	Pin2-3	Pin3-4	Pin7-8	Pin8-9
Latching	Light close	/	/	GND	V+	Close	Open	Open	Close
	P1-P2	V+	GND	/	/	Open	Close	Close	Open
Non-latching	Light close	/	/	/	/	Close	Open	Open	Close
	P1-P2	V+	/	/	GND	Open	Close	Close	Open

Type	Optical Route	Electric Drive				Status Sensor	
1X2		Pin1	Pin5	Pin6	Pin10	Pin3-4, Pin7-8	Pin2-3, Pin8-9
Latching	P1-P2	/	/	GND	+5V	Open	Close
	P1-P3	+5V	GND	/	/	Close	Open
Non-latching	P1-P2	/	/	/	/	Open	Close
	P1-P3	+5V	/	/	GND	Close	Open

Type	Optical Route	Electric Drive				Status Sensor	
2X2		Pin1	Pin5	Pin6	Pin10	Pin3-4, Pin7-8	Pin2-3, Pin8-9
Latching	P1-P4, P2-P3	+5V	GND	/	/	Close	Open
	P1-P3, P2-P4	/	/	GND	+5V	Open	Close
Non-latching	P1-P3, P2-P4	/	/	/	/	Open	Close
	P1-P4, P2-P3	+5V	/	/	GND	Close	Open

Type	Optical Route	Electric Drive				Status Sensor	
2X2B		Pin1	Pin5	Pin6	Pin10	Pin3-4, Pin7-8	Pin2-3, Pin8-9
Latching	P1-P3	/	/	GND	+5V	Open	Close
	P1-P4/P2-P3	+5V	GND	/	/	Close	Open
	P1-P3	/	/	/	/	Open	Close

	Voltage	Current	Resistor
5V Latching	4.5-5.5	36-44mA	1250
5V Non-latching	4.5-5.5	26-32mA	1750
3V Latching	2.7-3.3	54-66mA	500
3V Non-latching	2.7-3.3	39-47mA	700

Ordering Information

OSW	Type	Wavelength	Mode	Voltage	Pigtail Type	Fiber Type	Length	Connector
	1=1x1 2=1x2 3=2x2 4=2x2 B 5=D1x 2	1315=1310/1 550 8513=850/13 10	L=Latching N=Non-Latching	5=5V 3=3V	1=900 um loose tube	1=SMF-28e 2=50/125 3=62.5/125	1= 1m	NE=None FA=FC/APC FC=FC/UPC LC=LC/UPC LA=LC/APC XX=Other