

Product features

- Low loss and high reliability
- LCD screen visual display working light path
- Standard configuration of RS232 serial port and Ethernet interface

Application

- Fiber optic loop
- Automatic measurement
- Optical fiber network remote monitoring



The 1 × N rack-mounted optical switch is an optical path control device, which can switch the optical path. The product can manually select and switch the working light path through the panel keys, and can also control the light path switching through the RS232 serial port and the Ethernet port or automatically scan light path to be monitored and switched by setting the frequency. In the optical communication project, it is mainly used in multi-channel optical monitoring, LAN multi-light source/detector automatic switching and optical sensor multi-point dynamic monitoring system in the optical transmission system; in the optical test system, it is used for optical fiber, optical device, network and field engineering optical cable test; Optical device assembly and adjustment.

Technical parameters

Model	Unit	HC-FSW-1×N-U			
Insertion loss	dB	1<N≤12	16<N≤32	32<N≤64	64<N≤128
		Typ:1.0 Max:1.2	Typ:1.2 Max:1.4	Typ:1.4 Max:1.6	Typ:1.8 Max:2.2
Operating wavelength	nm	800~1330		1260~1650	
Test wavelength (optional)	nm	850/980/1310		1310/1490/1550/1625/1650	
Return loss	dB	SM≥50、MM≥30			
Channel Crosstalk	dB	SM≥55、MM≥35			

Polarization dependent loss	dB	≤0.05
Wavelength dependent loss	dB	≤0.25
Temperature-dep	dB	≤0.25
Repeatability	dB	≤±0.02
Service life	Times	10 ⁷
Transmit optical power	mW	≤500
Switching time	ms	≤ 10 (sequential switching of adjacent channels)
Operating temperature	°C	-10 ~ +50
Storage temperature	°C	-40~+85
Power supply	V	AC 85-264V,50/60Hz or DC(36-72)V
Module dimensions	mm	1U L483xW303xH44 (Up to 16 routes)
		2U L483xW303xH89 (Up to 64 channels) More channels can be customized, and the chassis size can be specially designed

Ordering information HC- RackFSW-N-A-B-B-D-E-F

N	A	B	C	D	E	F	
Channel	Package	Mode	Wavelength	Voltage Type	Fiber Type	Connector	
1~128	1U	S: SM	85: 850nm	AC: 85-264V	5:50/125	FP: FC/PC	
	2U	M:MM	13: 1310nm	DC: 36-72V	6:62.5/125	FA: FC/APC	
	3U		14: 1490nm	AC/ DC:	9: 9/125	SP: SC/PC	
	4U			15: 1550nm	220V & 48V	X: Others	SA: SC/APC
				162: 1625nm		Internal optical	STP: ST/PC
				165: 1650nm		switch module	STA: ST/APC
				13/15:1310/1550nm		optical	LP: LC/PC
X:Others	Fiber type	LA: LC/APC					
					X: Others		