

SML01-Protection

1+1 Fiber Optical Protection Switch



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Optical protection

The Fiber optical protection unit is able to provide fiber path redundancy on a channel by channel basis. These units are particularly well suited for protection in fiber data transmission. The solution includes monitoring capabilities for both working and protection paths. The monitoring is available through the SNMP Management unit. In case of a fiber cut in the protecting path, traffic will be switched over to the protecting path in less than 50 ms.

Features

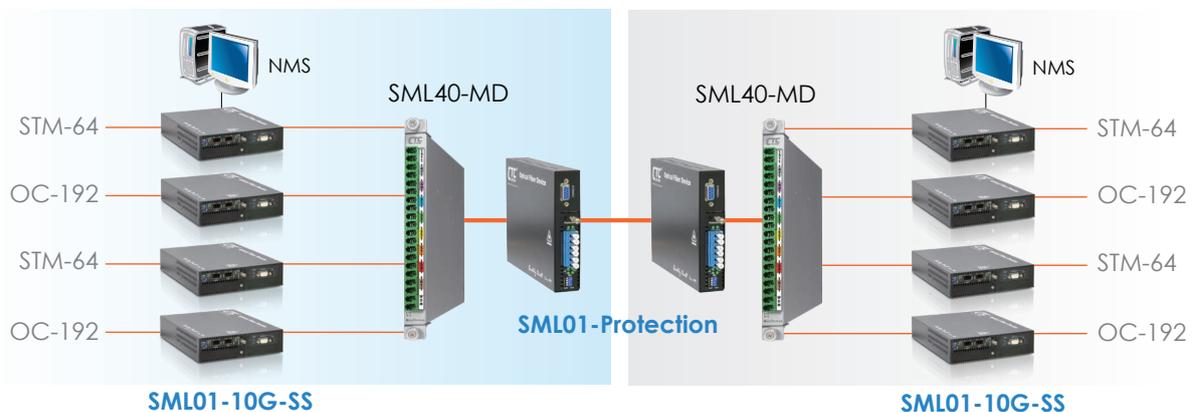
- 1+1 full optical protection
- Low channel cross talk < -55dB
- Low insertion loss < 5.5dB
- Latch feature, if power is lost the switch remains in its current state
- Protection transition < 50 ms
- Works with any combination of 1 ~16 wavelengths
- Traffic is switched in one of three modes : revertive,non-revertive, manual
- Programmable Rx threshold setting for switch-over
- Optical Interface Type : LC connectors
- Working and protected lines are physically separated fiber

Specifications

Connector	LC
LEDs	Power System, Working Path, Protection Path, Work mode
Power	AC, DC (Option)
Restoration Time	50ms
Range	Input PWR : +3 ~ -15dBm(TX), -2~-29dBm(RX) Detection : -5 ~ -29dBm
Loss	Insertion Loss < 5.5dB, Return Loss > 45dB

Power Consumption	< 5W
Dimensions	155 x 88 x 23mm (D x W x H)
Weight	130g
Temperature	0 ~ 50°C (Operating), 20 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hours

Application



Ordering Information

Model Name	Description
SML01-Protection-AC, DC, AD	Console management, standalone 1+1 Optical Protection with AC, DC or AD (AC+DC) Power
SML01-Protection-NM-AC, DC, AD	SNMP management, standalone 1+1 Optical Protection with AC, DC or AD (AC+DC) Power

Note: SML01-Protection-AC, DC, AD = (FRM220-Protection) + (CH01M-AC, DC or AD)
SML01-Protection-NM-AC, DC, AD = (FRM220-Protection) + (CH02/SNMP-AC, DC or AD)

Power Type
SML01-Protection -
Example: SML01-Protection - AD