

## Electro-mechanical switch, 1x4, single mode and multi mode

### Features

- High switching speed
- Built-in position monitoring
- TTL input
- RoHS compliance



### Applications

- Optical network monitoring
- Optical measurement systems

### Description

Cubo's 1x4 Optical Switches are based on opto-mechanical technology with proven reliability. With the state-of-the-art technology, the performance is optimized for a wide range of fiber-optic applications.

Fully complied with Telcordia GR-1073-CORE and complied with applicable items of Telcordia GR-1221-CORE standard.

### Technical Specifications

Electro-Optical Characteristics		
Parameter	single mode	multi mode
Wavelength Range (nm)	1280 - 1340	850 / 1300
	1520 - 1625	
Insertion Loss (dB)	≤ 1.2	
Back Reflection (dB), typ.	≤ -45	-
PDL (dB)	≤ 0.1	-
Cross-Talk (dB)	≤ -60	
Switching Time (ms)	≤ 10.0	
Repeatability (dB)	± 0.05	

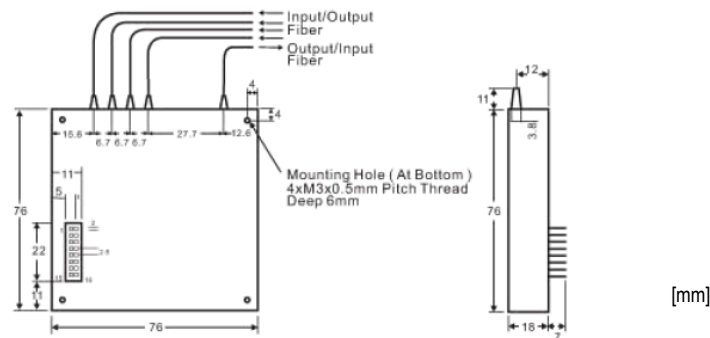
Mechanical & Environmental	
Parameter	1x4
Operating Temperature Range (°C)	- 5 - +70
Humidity (%RH)	5 - 85
Durability (cycles)	> 10 <sup>7</sup>
Fiber pigtail	S.M. Fiber
Dimensions (HmmxWmmxLmm)	18x18x76 (with connectors)
	15x76x76 (with connectors)
Weight (g)	150

1. All Specifications referenced without connectors
2. Measured at 1550 nm
3. Add 0.2 dB for Insertion loss in 1310/1550 nm dual wavelength

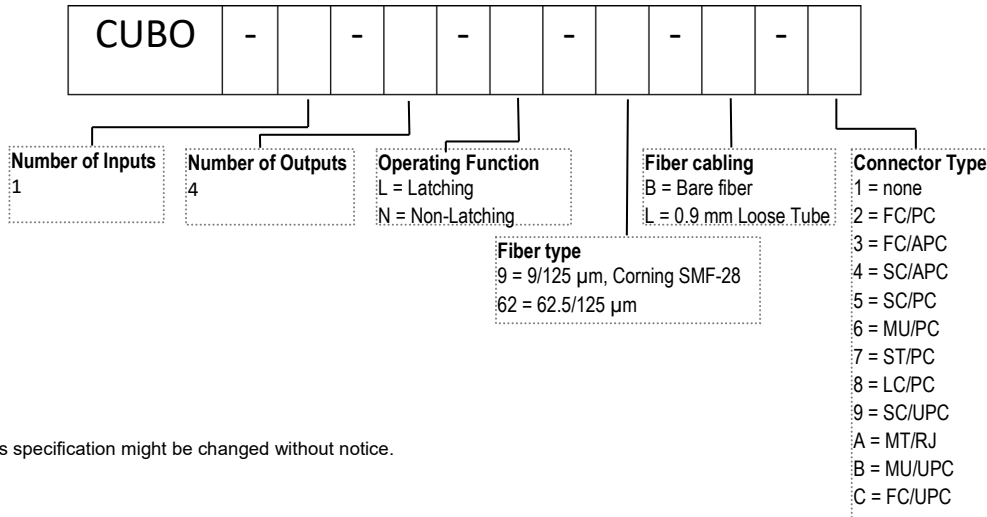
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Electrical Characteristics	
Parameter	1x4
Operating Voltage (V), typ.	5.0
Operating Voltage (V), range	4.5 - 5.5
Power-Consumption (W), typ	1.0
Power-Consumption (W), standby	0.1

## Outline Drawing



## Ordering Information



This specification might be changed without notice.

HUBER+SUHNER Cube Optics AG  
is certified according to ISO 9001.

### WAIVER

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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