

Fiber optical multimode switches

mol 1xN (N = 1...16) · mol 2xN

mol 1x4 standard housing large

For requests please specify:

- Number of output channels
- Spectral range (Operating wavelength range of fiber)
- Fiber type (e.g. core diameter, NA, Gradient or Step index)
- Pigtail length (m)
- Connector type(s) (e.g. SMA, FC, ST)
- Electronic interface (e.g. RS232, TTL, I2C, Ethernet)
- Special requirements
- Switch versions 2xN see page 8

mol 1x9 standard housing (multiple module)

Core diameter	50-100 μm	
Specifications		
Number of output channels N	1..4	5..16
Operating wavelength range	[nm] Depending only on fiber characteristics	
Insertion loss max. (typ.)	[dB] <1.0 (0.7)	<2.0 (1.4)
Crosstalk	[dB]	<-60
Repeatability	[dB]	0.03
Switching time	[ms]	5
Guaranteed lifetime [switching operations]	>10 ⁸	
Switching frequency	[s ⁻¹]	≤50
Operating voltage	[V]	5
Power consumption	[mW]	<450
Operating temperature	[°C]	0 up to +60
Storage temperature	[°C]	-40 up to +80
Housing dimensions (example) for pigtail version	Standard large	Standard multiplemodule
Housing dimensions (example) for coupling sleeve version	Alu Compact 1	Alu Compact 4

Selection of useable housing dimensions	
Standard large	124 x 56 x 13
Standard multiplemodule	172 x 134 x 13.5
Alu Compact 1	187 x 125 x 30-80
Alu Compact 2	227 x 166 x 30-80
Alu Compact 3	187 x 225 x 30-80
Alu Compact 4	227 x 266 x 30-80

Please note: To minimize back reflection and spectral etalon effects both AR coatings and angle polished fiber ends can be implemented; please request for this.

LEONI

www.leoni-fiber-optics.com



光技術をサポートする
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