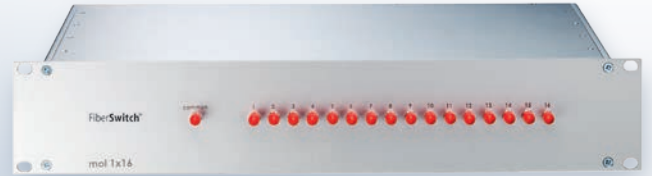


FiberSwitch® Fiber optical multimode switches



mol 1×4 Alu Compact 4



mol 1×16 19" 2 HU

mol 1×N (N = 1 bis 16) · mol 2×N

For requests please specify

- Number of output channels N
- Spectral range
(operating wavelength range / UV-VIS; VIS-IR; Broadband)
- Low-Etalon-Effect option available for spectroscopy
- Fiber type (e.g. core diameter, NA, GI or SI)
- Pigtail length (m)
- Connector type(s) (e.g. SMA, FC, ST)
- Electrical interface (e.g. RS232,TTL,I2C, Ethernet, USB)
- Special requirements
- Switch versions 2×N see page 20
- **Optional feature: manual front control panel**
Channel display and manual control option without external devices



Core diameter	200 μm		400 μm		600 μm		800 μm	
Specifications								
Number of output channels N	1...4	5...16	1...4	5...16	1...4	5...16	1...4	5...16
Operating wavelength [nm]	Depending only on fiber characteristics							
Insertion loss [dB]	< 1.0 (0.7)	< 2.0 (1.4)	< 1.2 (1.0)	< 2.4 (2.0)	< 1.2 (1.0)	< 2.4 (2.0)	< 1.3 (1.0)	< 2.6 (2.0)
Crosstalk [dB]	< -55		< -45		< -40		< -40	
Repeatability [dB]	0.03							
Switching times [ms]	10		20		30		40	
Guaranteed lifetime [cycles]	> 10 ⁸							
Switching frequency [s ⁻¹]	≤ 30							
Operating voltage typ. [V]	5 (+/-10 %) or 100 – 240							
Power consumption [mW]	< 450							
Operating temperature [°C]	0 up to +60							
Storage temperature [°C]	-40 up to +80							
Housing dimensions (example) for pigtail version [mm]	AluComp1	AluComp3	AluComp2	AluComp4	AluComp1 287 length	19" 2HU 340 depth	AluComp1 287 length	19" 3HU 340 depth
Housing dimensions (example) for coupling sleeve version [mm]	AluComp3	AluComp4	AluComp4	19" 2HU 280 depth	19" 1HU 280 depth	19" 2HU 340 depth	19" 1HU 280 depth	19" 3HU 340 depth

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.

