

MC3-S18

1P6T, SMA, DC-18GHz

MC3n: n=3-6 (e.g., n=6 for 1P6T)

The **MC3-S18** Series features SMA connectors and an operation frequency range of DC to 18 GHz. This series is of failsafe (normally open) type. Options include TTL, coil suppression diodes, indicators etc. The product is typically supplied with a 15-pin male D-sub control interface.

Specifications

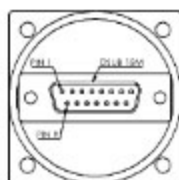
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C
Relative Humidity	5 to 85%
Operation Life (cycles)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec



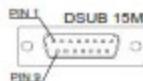
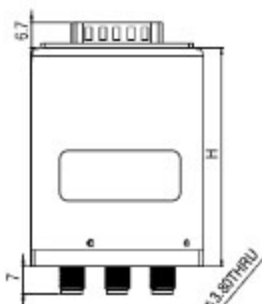
Voltage (VDC)		12	18	24	28
Current (mA)	Failsafe	290	145	125	100

Other options are available upon request.

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.3	0.3	70
6-12	1.4	0.4	60
12-18	1.5	0.5	60



MC33-, 1P3T SWITCH
MC34-, 1P4T SWITCH
MC35-, 1P5T SWITCH
MC36-, 1P6T SWITCH



FAILSAFE 15-PIN D-SUB PINOUT		FAILSAFE TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT	Pin No.	PINOUT
n=1-6	Vn (Jn-COM)	m=1-6	An (Jn-COM)
7	COM(-)	7	COM(-)
8-15	UNUSED	8-14	UNUSED
		15	+VDC

Pin 1-6: The corresponding control signal inputs.

(Without indicators)

FAILSAFE / NORMALLY OPEN

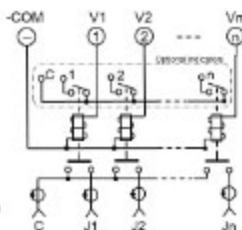


Fig. 1

FAILSAFE / NORMALLY OPEN with TTL

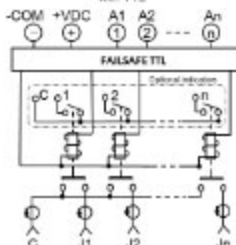
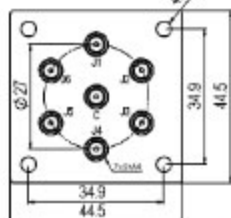


Fig. 2



H = 62 mm (max)
H = 72 mm (max) for options with TTL and/or self cutoff

(A low profile version of this product is available upon request)

Mechanical drawings. (unit: mm)