

MC3-K40

1P6T, K, DC-40GHz

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

The **MC3-K40** Series features K connectors and an operation frequency range of DC to 40 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)

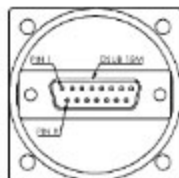
12 18 24 28

Current (mA)	Failsafe	290	145	125	100
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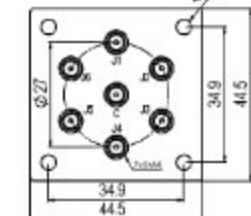
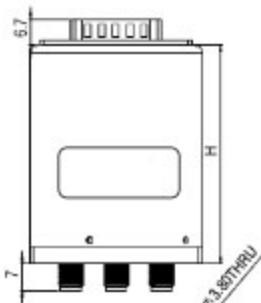
Other options are available upon request.

Standard

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
18-26.5	1.7	0.7	55
26.5-32	1.9	0.8	50
32-40	2	1	50



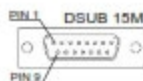
MC33-, 1P3T SWITCH
 MC34-, 1P4T SWITCH
 MC35-, 1P5T SWITCH
 MC36-, 1P6T SWITCH



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)



FAILSAFE

15-PIN D-SUB PINOUT

Pin No.	PINOUT
n=1-6	Vn (Jn-COM)
7	COM(-)
8-15	UNUSED

FAILSAFE TTL

15-PIN D-SUB PINOUT

Pin No.	PINOUT
n=1-6	An (Jn-COM)
7	COM(-)
8-14	UNUSED
15	+VDC

Pin 1-6: The corresponding control signal inputs.

(Without indicators)

FAILSAFE / NORMALLY OPEN

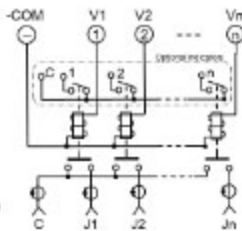


Fig. 1

FAILSAFE / NORMALLY OPEN with TTL

-COM +VDC A1 A2 ... An

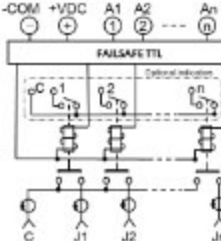


Fig. 2