

MC5-S (or K)

DPDT, SMA (or K), DC-40GHz

FAILSAFE

The MC5-S (or K) Series features SMA or K(2.92mm) connectors with internal termination and an operation frequency range of DC to 40 GHz. This series is available with failsafe, latching self-cutoff or pulse latching, TTL, and coil suppression options.

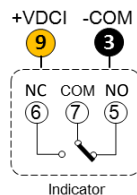
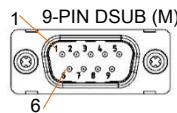
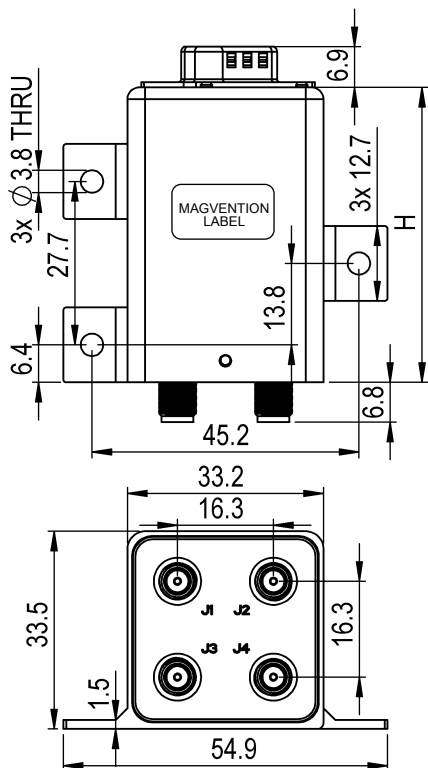
Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C -55°C to +85°C ("e" option)
Relative Humidity	5 to 85%
Operation Life (cycles)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	120g



Voltage (VDC)		12	18	24	28
Current (mA)	Failsafe	380	280	200	180

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.30	0.20	70
6-12	1.40	0.25	70
12-18	1.50	0.40	60
18-26.5	1.70	0.90	55
26.5-40	2.0	1.30	50

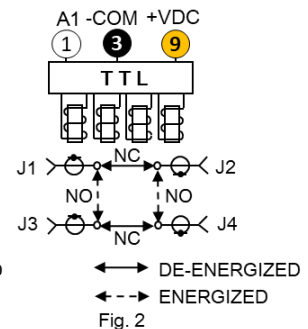
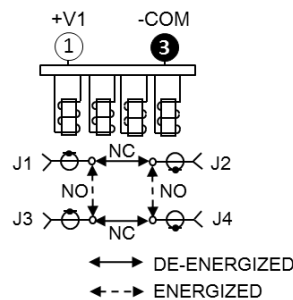
Other options are available upon request.



Pin No.	PINOUT
1	A1/V1 (NO: J1-J3, J2-J4)
2	UNUSED
3	COM-
4	UNUSED
5	1 (IND.) (NO: J1-J3, J2-J4)
6	2 (IND.) (NC: J1-J2, J3-J4)
7	COM_1 (IND.)
8	UNUSED
9	+VDC/+VDCI

Optional Indicator Specifications
 Max withstand voltage: 60V
 Max current capacity: 100mA
 Max "ON" resistance: 16Ω
 Note: +VDC and -C must be connected to operate.

H (max)	Solder Pin	DSUB
Standard	41	47
TTL	41	57
Indicator	41	57



Mechanical drawings (unit: mm, tolerance +/-0.5mm).

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DPDT, SMA, DC-40GHz

LATCHING

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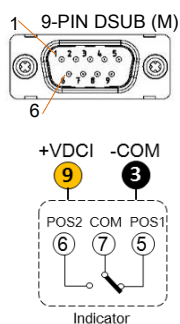
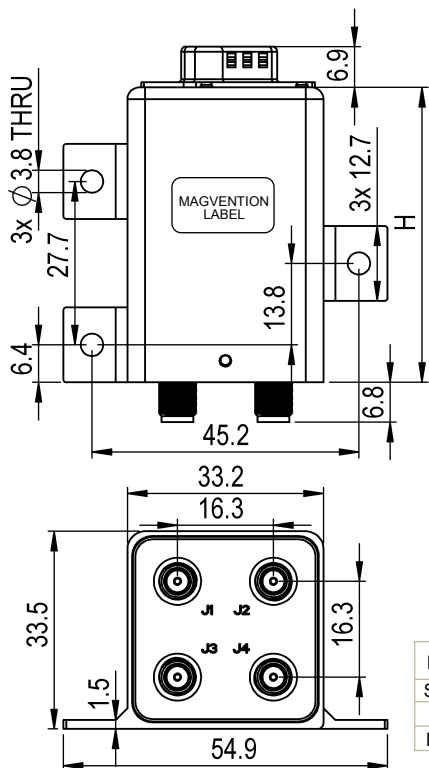


Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C -55°C to +85°C ("e" option)
Relative Humidity	5 to 85%
Operation Life (cycles)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
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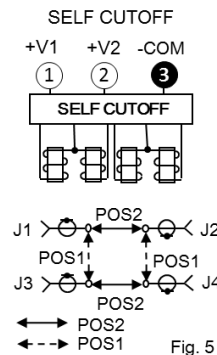
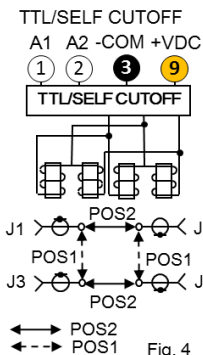
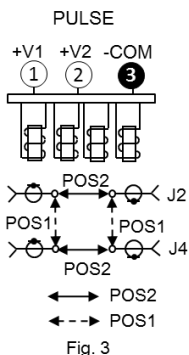
Voltage (VDC)	12	18	24	28
Current (mA)				
Latching	400	240	180	230

Other options are available upon request.



PINOUT	
Pin No.	PINOUT
1	A1/V1 (POS1: J1-J3, J2-J4)
2	A2/V2 (POS2: J1-J2, J3-J4)
3	COM-
4	UNUSED
5	1 (IND.)
6	2 (IND.)
7	COM 1 (IND.)
8	UNUSED
9	+VDCI/+VDCI

Optional Indicator Specifications
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