

MC4-N12

SPDT, N, DC-12.4GHz

LATCHING

The **MC4-N12** Series features N-type connectors and an operation frequency range of DC to 12.4GHz. 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 (Standard) -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.)	260g

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-2	1.15	0.20	80
2-4	1.20	0.25	80
4-12.4	1.50	0.50	60

Note: The listed RF results are for the model with standard power. Consult with the company for the high-power versions.

Voltage (VDC)	12	18	24	28
Current (mA)				
Latching	310	250	170	130

• Contact company if reduced coil current is required. Other coil voltage options are available upon request.

Note: The listed coil currents are for the model with standard power. Consult with the company for the high-power versions.

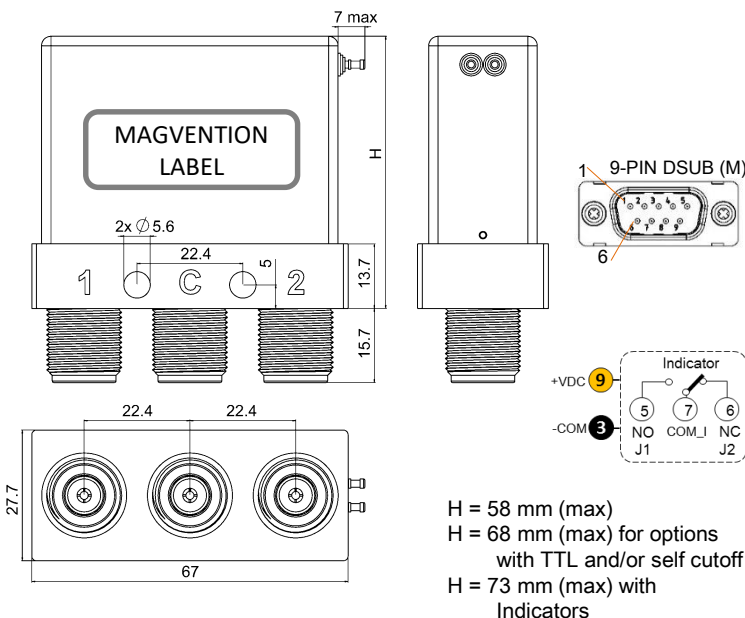
Solder Pins or DSUB 9

PINOUT	
Pin No.	PINOUT
1	A1/V1 (J1-COM)
2	A2/V2 (J2-COM)
3	COM-
4	UNUSED
5	1 (IND.)
6	2 (IND.)
7	COM_1 (IND.)
8	UNUSED
9	+VDC/+VDCI

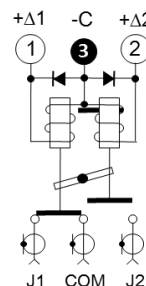
Optional Indicator Specifications

Max withstand voltage: 60V
Max current capacity: 100mA
Max "ON" resistance: 16Ω

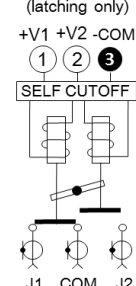
Note: +VDC and -C must be connected to operate.



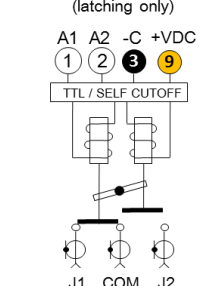
Pulse Latching



Self Cutoff



TTL and Self Cutoff



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