

COAXIAL SPDT up to 12.4 GHz – RAMSES Concept

R570

Connectors RF

- 0 : N up to 3 GHz
- 1 : N up to 12.4 GHz
- 2 : BNC up to 3 GHz
- 5 : TNC up to 3 GHz
- 6 : TNC up to 12.4 GHz

Type

- 1 : Failsafe
- 2 : Failsafe + I.C.
- 3 : Latching
- 4 : Latching + I.C.
- 5 : Latching + S.C.O.(1)
- 6 : Latching + S.C.O. + I.C.(1)

Actuator voltage

- 2 : 12 Vdc
- 3 : 28 Vdc

Actuator terminal

- 0 : Solder Pins
- 5 : D SUB

Options

- 0 : Without option
- 1 : Positive common (2)(3)
- 3 : With suppression diodes (1)
- 4 : With suppression diodes and positive common (2)(3)

TTL option

- 0 : Without TTL driver
- 1 : With TTL driver (1)

I.C. : Indicator contact.

S.C.O. : Self Cut Off

(1) : Suppression diodes are already included in Self cut-off and TTL options

(2) : TTL option is not available with this option

(3) : Positive common must be specified only with Type 3, 4, 5 or 6

GENERAL SPECIFICATIONS - RF PERFORMANCES

Connectors	N / TNC					BNC		
	DC - 3 / DC - 12.4					DC - 3		
Frequency range GHz	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4	DC - 1	1 - 2	2 - 3
V.S.W.R. (max)	1.15	1.20	1.25	1.35	1.50	1.15	1.20	1.25
Insertion Loss (max) dB	.15	.20	.25	.35	.50	.15	.20	.25
Isolation (min) dB	85	80	75	70	60	85	80	75
Impedance Ω	50							
Switching sequence	Break Before Make							

GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

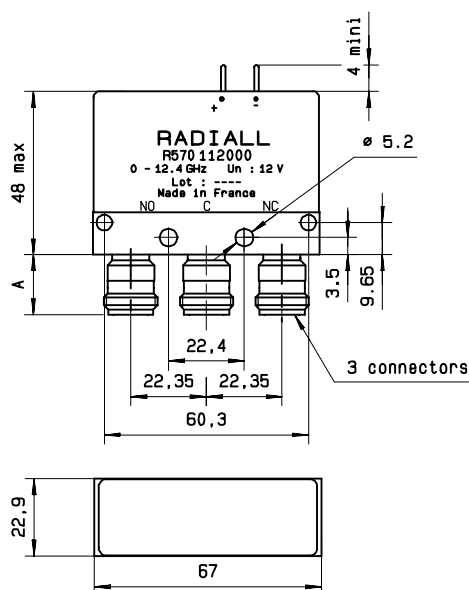
Operating mode		Failsafe or Latching			
		Failsafe		Latching	
Actuator voltage (nominal)	Vdc	12	28	12	28
Coil resistance ($\pm 10\%$)	Ω	34	200	38	225
Operating current at 23°C	mA	350	140	320	125
Average power		See Power Rating Chart page 9			
Peak power	kW	1.5 (1 μ s, 1 %)			
TTL INPUT	High level Low level	2.2 to 5.5 V 0 to 0.8 V			
Indicator rating		1 W - 30 V - 100 mA			
Switching time (max)	ms	15			
Life		1 10 ⁶ cycles			
Connectors		N - TNC - BNC			
Actuator terminals		Solder pins or D SUB 9 PINS			
Operating temperature range	°C	-40, +85			
Storage temperature range	°C	-55, +85			

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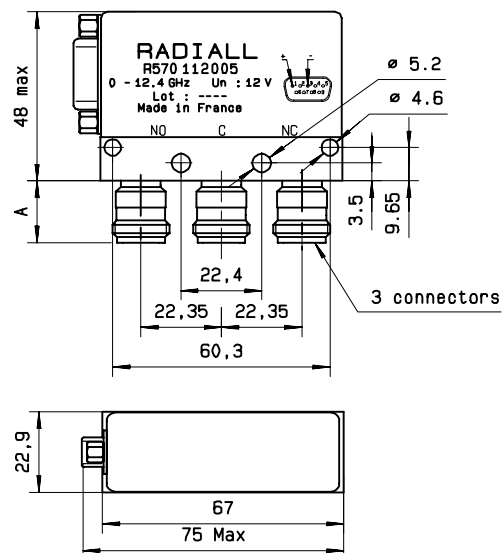


TYPICAL OUTLINE DRAWING

BNC – N – TNC
with solder pins



BNC – N – TNC
with D–Sub connector



Connectors	N	BNC	TNC
A max (mm)	17.7	11.3	11.3