

COAXIAL SPDT up to 40 GHz – RAMSES Concept

R570

Connectors RF

- 3 : SMA up to 3 GHz
- 4 : SMA up to 18 GHz
- 7 : SMA 2.9 up to 26.5 GHz
- 8 : SMA 2.9 up to 40 GHz
- 9 : DIN 1.6/5.6 up to 1 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

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

- 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	SMA / SMA 2.9					SMA 2.9					DIN 1.6/5.6	
	DC - 3 / DC - 18 / DC - 26.5					DC - 40					DC - 1	
	DC - 3	3 - 8	8 - 12	12 - 18	18 - 26.5	DC - 6	6 - 12	12 - 18	18 - 26.5	26.5 - 40	DC - 5	.5-1
Frequency range GHz												
V.S.W.R. (max)	1.20	1.30	1.40	1.50	1.70	1.30	1.40	1.50	1.70	1.90	1.25	1.30
Insertion Loss (max) dB	.20	.30	.40	.50	.70	.30	.40	.50	.70	.80	.15	.20
Isolation (min) dB	80	70	60	60	55	70	60	60	55	50	90	80
Impedance Ω	50										75	
Switching sequence	Break Before Make											

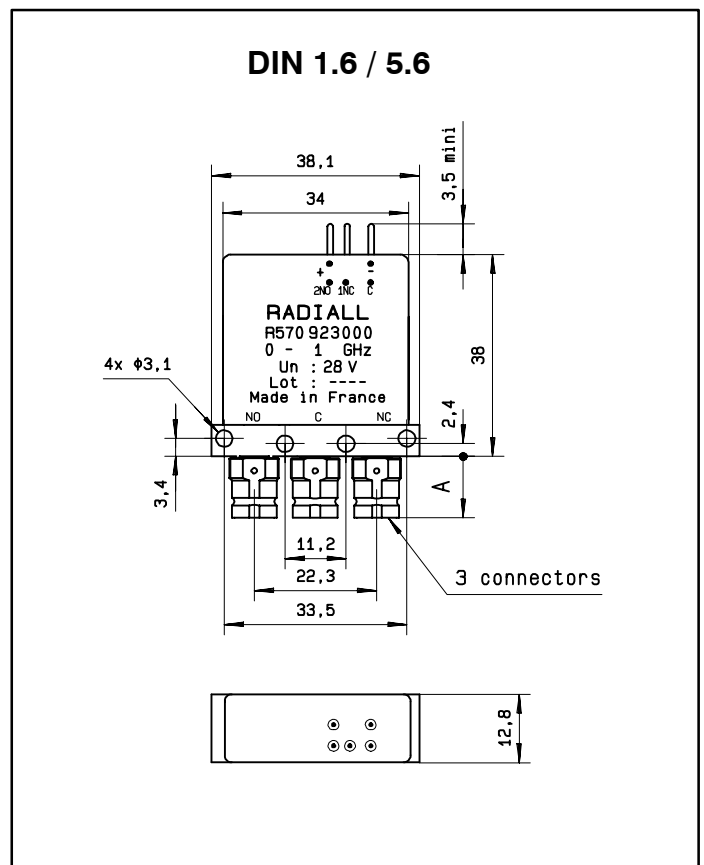
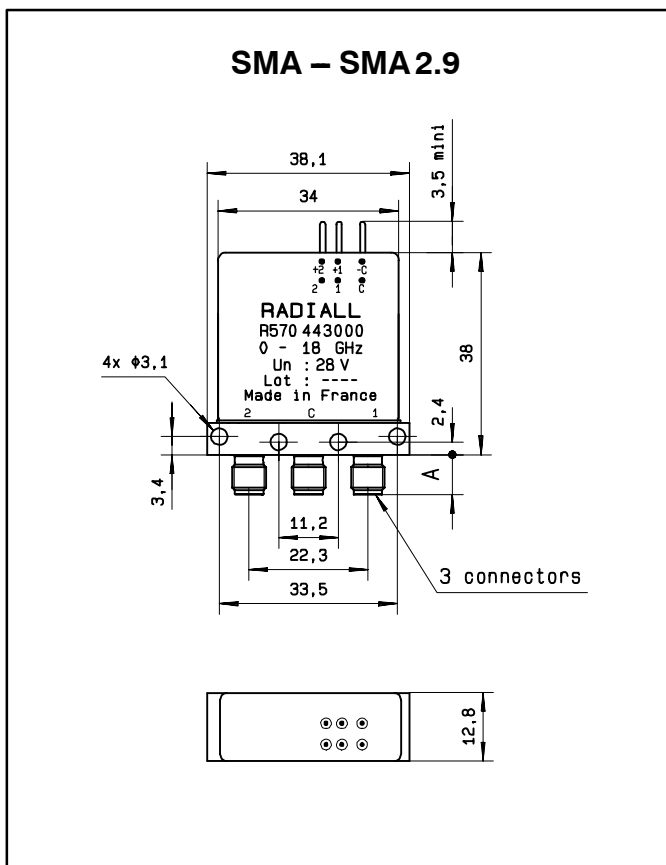
GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

Operating mode		Failsafe or Latching			
		Failsafe		Latching	
Actuator voltage (nominal)	Vdc	12	28	12	28
Coil resistance (±10%)	Ω	47.5	275	57.5	350
Operating current at 23°C	mA	250	102	210	80
Average power		See Power Rating Chart page 9			
Peak power	kW	1.5 (1 μs, 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	10			
Life		10 10 ⁶ cycles for SMA & SMA 2.9 / 5 10 ⁶ cycles for DIN 1.6/5.6			
Connectors		SMA , SMA 2.9 & DIN1.6/5.6			
Actuator terminals		Solder pins			
Operating temperature range	°C	-40, +85 (-25, +70 for DIN 1.6 / 5.6)			
Storage temperature range	°C	-55, +85 (-40, +85 for DIN 1.6 / 5.6)			

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TYPICAL OUTLINE DRAWING



Connectors	SMA	SMA 2.9	DIN 1.6/5.6
A max (mm)	7.4	6.3	11.5