

### COAXIAL DPDT up to 12.4 GHz – RAMSES Concept

# R577

#### 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 and fixing

- 0 : Solder Pins with Bracket
- 2 : Solder Pins without Bracket
- 5 : DSUB with Bracket
- 7 : DSUB without Bracket

#### 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	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 $\Omega$	50							
Switching sequence	Break Before Make							

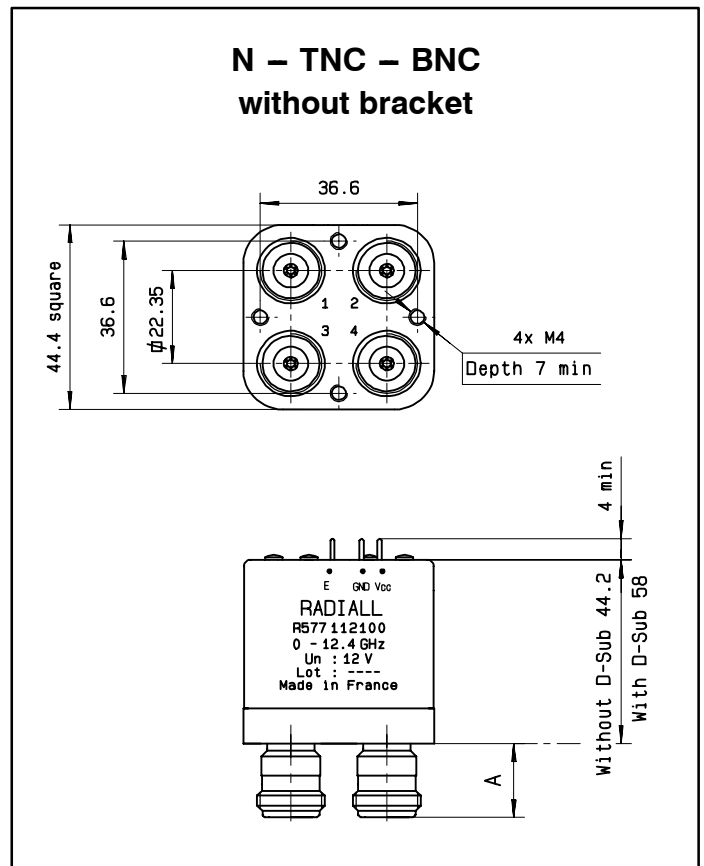
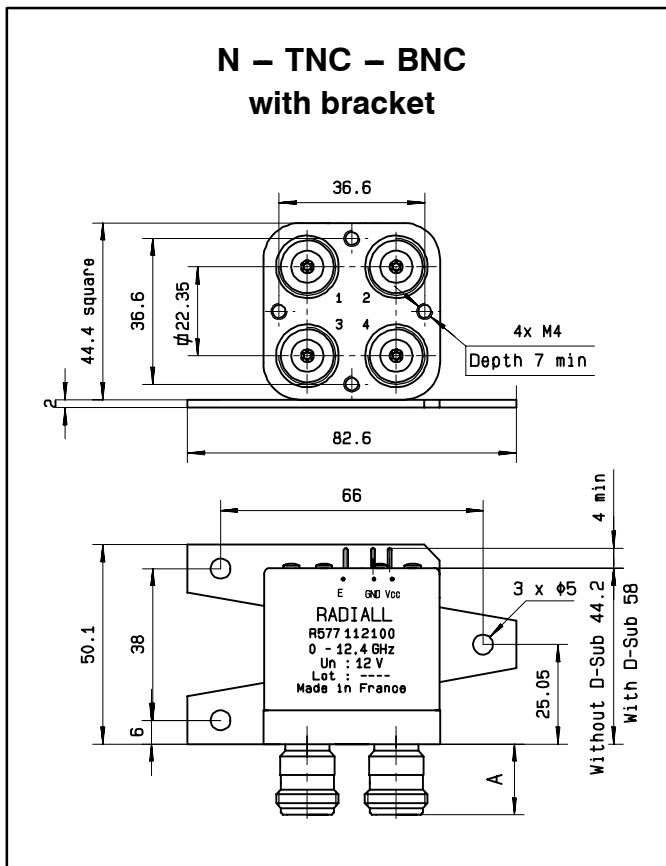
#### GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

Operating mode	Failsafe or Latching			
	Failsafe		Latching	
Actuator voltage (nominal) Vdc	12	28	12	28
Coil resistance ( $\pm 10\%$ ) $\Omega$	35	200	47.5	224
Operating current at 23°C mA	340	140	250	125
Average power	See Power Rating Chart page 9			
Peak power kW	1.5 (1 $\mu$ 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	2.5 10 <sup>6</sup> cycles			
Connectors	N - TNC -BNC			
Actuator terminals	Solder pins or DSUB 9 pins			
Operating temperature range °C	-40, +85			
Storage temperature range °C	-55, +85			

### COAXIAL SPDT up to 12.4 GHz – RAMSES Concept



### TYPICAL OUTLINE DRAWING



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