

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		
Frequency range GHz	DC - 3 / DC - 12.4					DC - 3		
	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							

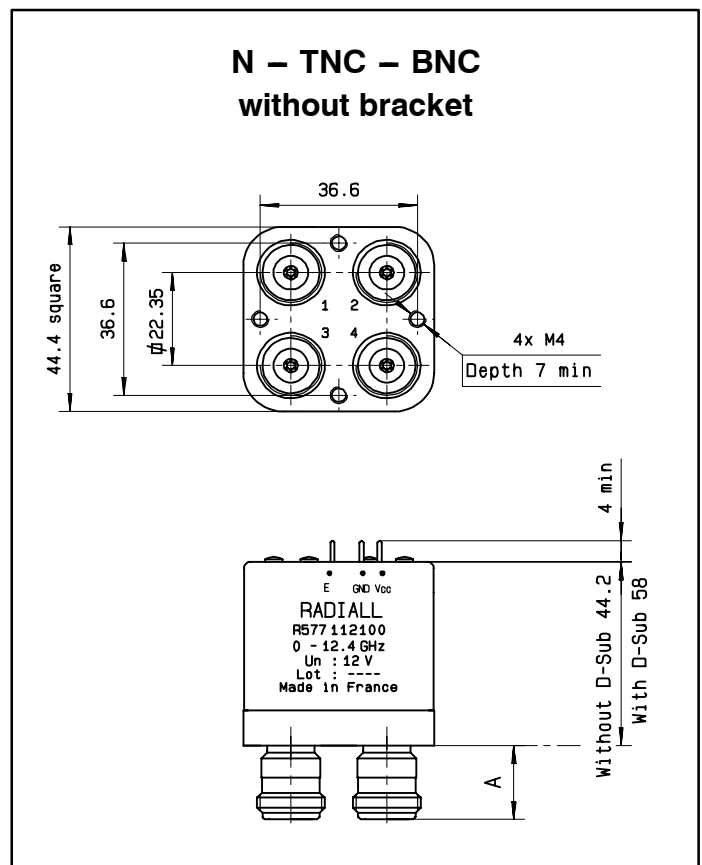
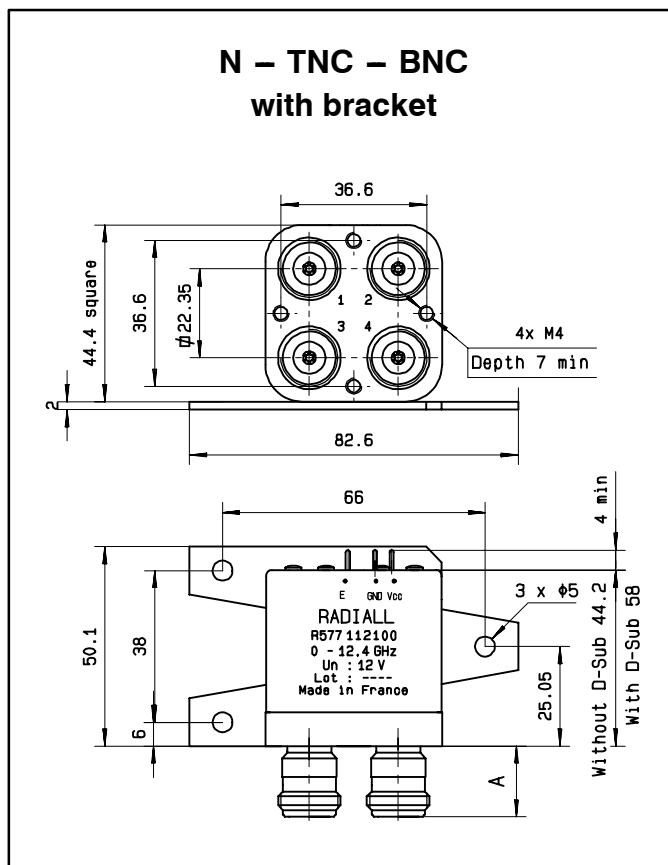
GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

Operating mode		Failsafe or Latching			
		Failsafe		Latching	
Actuator voltage (nominal)	Vdc	12	28	12	28
Coil resistance ($\pm 10\%$)	Ω	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 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		2.5 10 ⁶ 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