

TERMINATED COAXIAL SPDT and DP3T up to 18 GHz – RAMSES Concept

R585

Connectors RF

- 3 : SMA up to 3 GHz
- 4 : SMA up to 18 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)
- 7 : Normally Open
- 8 : Normally Open + I.C.

Actuator voltage

- 2 : 12 Vdc
- 3 : 28 Vdc

Actuator terminal

- 0 : Solder Pins

Options

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

TTL and termination options

- 0 : Without TTL driver (DP3T)
- 1 : With TTL driver (DP3T)
- 2 : Terminated (internal termination) / Without TTL driver
- 3 : Terminated (internal termination) / With TTL driver
- 4 : Terminated (external termination) / Without TTL driver
- 5 : Terminated (external termination) / 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
- (2) : TTL option is not available with this option
- (3) : Self Cut-off and TTL options are not available with this option
- (4) : Positive common must be specified only with Type 3, 4, 5 or 6

GENERAL SPECIFICATIONS - RF PERFORMANCES

Connectors	SMA			
	DC - 3 / DC - 18			
Frequency range GHz	DC - 3	3 - 8	8 - 12.4	12.4 - 18
V.S.W.R. (max)	1.20	1.30	1.40	1.50
Insertion Loss (max) dB	.20	.30	.40	.50
Isolation (min) dB	80	70	60	60
Impedance Ω	50			
Switching sequence	Break Before Make			

GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

Operating mode		Failsafe, Latching or Normally open					
		Failsafe		Latching		Normally open	
Actuator voltage (nominal)	Vdc	12	28	12	28	12	28
Coil resistance ($\pm 10\%$)	Ω	24	138	29	175	47.5	275
Operating current at 23°C	mA	500	205	420	160	250	102
Average power		See Power Rating Chart page 9					
TTL INPUT	High level Low level	2.2 to 5.5 V 0 to 0.8 V					
Peak power	kW	1.5 (1 μ s, 1 %)					
Indicator rating		1 W - 30 V - 100 mA					
Switching time (max)	ms	10					
Life		2 10 ⁶ cycles for products with internal terminations 10 10 ⁶ cycles for all other products					
Connectors		SMA					
Actuator terminals		Solder pins					
Operating temperature range	°C	-40, +85					
Storage temperature range	°C	-55, +85					

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TYPICAL OUTLINE DRAWING

