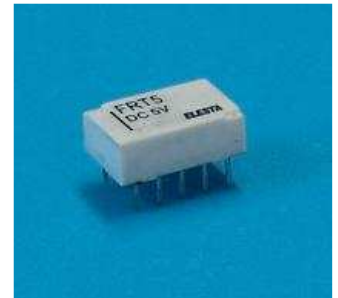


Signal-Relay FRT 5 ...

2 pole 1A

ELESTA



- 5mm high
- PCB- / SMD-Construction
- sealed IP67
- mono- / bistable

Technical Data

Contact Data		
Type of Contact		Single Contact
No. of Contacts		2C
Rated Voltage / Max. Switching Voltage	VAC / VDC	250 / 220
Rated Current	A	1
Rated Breaking Capacity (cos φ = 1)	VA / W	62,5 / 30
Switching Load (Min.)	VDC / mA	10 / 0,01
Contact Material		AgSnO ₂ ; AgSnO + htv

General Data		
Mechanical Life	> Operations	10 x 10 ⁸
Electrical Life at Rated Voltage	> Operations	2 x 10 ⁵
Max. Switching Frequency	Operations / h	1.800
Operate Time / Release Time	approx. in ms	2 / 1
Test Voltage Contact / Coil	≥ VAC _{eff}	1000
Test Voltage Contact Open	≥ VAC _{eff}	1000
Test Voltage Contact Poles	≥ VAC _{eff}	1000
Insulation IEC 60664	- Rated Voltage (VAC)	250
	- Degree of Pollutin	3
	- Excess Voltage Category	III
Ambient Temperature	°C	FRT5 -40 ... +70
		FRT5S -40 ... +85
Approvals		UL
Weight	gr.	1,5

DC-Coil Monostable (FRT5 / FRT5S)						
U _N (V)	R (Ohm)	U _{MAX} (V)	U _{AN} (V)	U _{AB} (V)	I _N (mA)	P (W)
3	64,3 ± 10%	7,5	≤ 2,05	≥ 0,3	47,0	0,14
5	178 ± 10%	12,5	≤ 3,75	≥ 0,5	28,0	0,14
6	257 ± 10%	15,0	≤ 4,50	≥ 0,6	23,5	0,14
9	579 ± 10%	22,5	≤ 6,75	≥ 0,9	15,5	0,14
12	1028 ± 10%	30,0	≤ 9,00	≥ 1,2	11,7	0,14
24	2880 ± 10%	48,0	≤ 18,0	≥ 2,4	8,3	0,20

DC-Coil Bistable (FRT5-L1 / FRT5S-L1)					
U _N (V)	R (Ohm)	U _{MAX} (V)	U _{SET} (V)	U _{RESET} (V)	P (W)
3	90 ± 10%	8,7	≤ 2,25	≥ 2,25	0,10
5	250 ± 10%	14,5	≤ 3,75	≥ 3,75	0,10
6	360 ± 10%	17,4	≤ 4,50	≥ 4,50	0,10
9	810 ± 10%	26,1	≤ 6,75	≥ 6,75	0,10
12	1440 ± 10%	34,8	≤ 9,00	≥ 9,00	0,10
24	2840 ± 10%	57,6	≤ 18,0	≥ 18,0	0,15

Other coil tensions on request.

