

4.5 Pneumatic Time Delay Relays

Series SRT-N

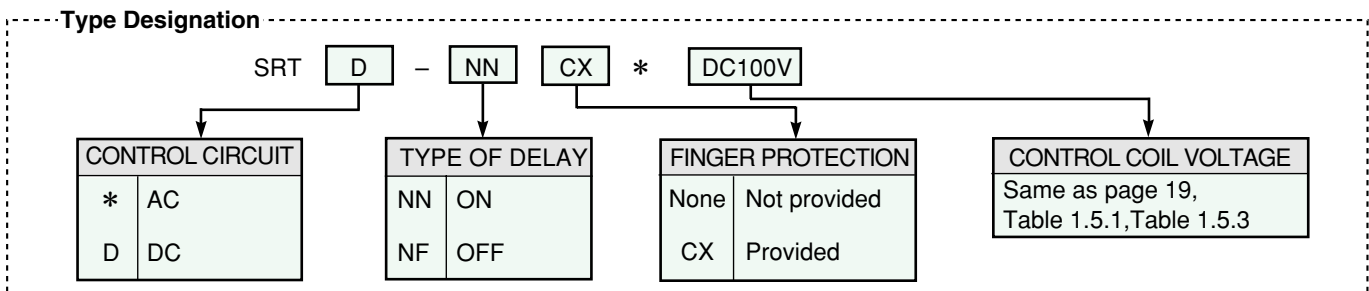


The MITSUBISHI series SRT pneumatic time delay relays are designed for general purpose time delaying, such as star-delta starters and transfer panels.

■ Features

- Easy delaying time adjustment
- High contact reliability: By using bifurcated moving contacts, contact performance has been made more reliable than ever.
- Finger protected types are available
- Manual testing
- 2 delayed contacts (1NO1NC) & 4 instantaneous contacts (2NO2NC)
- Can be mounted on 35mm rail

SRT-NN



Note: Mark * indicates a blank space.

■ Specifications

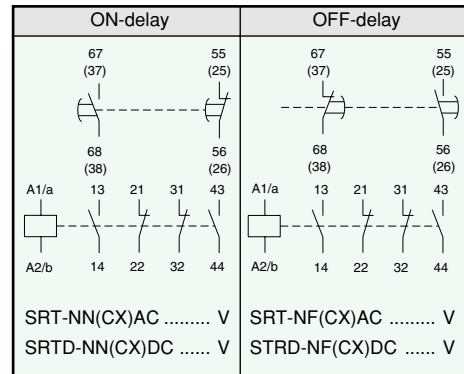
● Ratings & characteristics

Table 4.5.1

Adjustable delay time range		sec.	0.1 to 60	
Type of contacts		-	Delayed	Instantaneous
Conventional free air thermal current I _{th}		A	10	16
Rated operating current	category	110VAC	A	5
		220VAC	A	3
	AC-15	440VAC	A	1
		550VAC	A	1
	category	110VAC	A	6
		220VAC	A	4
AC-12	440VAC	A	1.5	
	550VAC	A	1.5	
category	24VDC	A	1	
	48VDC	A	0.5	
DC-13	110VDC	A	0.3	
	220VDC	A	0.15	
category	24VDC	A	2	
	48VDC	A	1	
DC-12	110VDC	A	0.6	
	220VDC	A	0.3	
Rated insulation voltage		VAC	660	
Mechanical life		operations	1 million	
Electrical life		operations	1 million	0.5 million
Repeat accuracy		%	±10	
Min. pause time		msec.	500	
Min. energizing time	AC operated	msec.	15	
	DC operated	msec.	30	
Permissible ambient temperature		°C	-5 to 55	
Control coil voltage tolerance		%	85 to 110	
Make and break capacity (at rated operating current)	AC	times	11	
	DC	times	2	
Average operating times	AC operated	Make	msec.	11
		Break	msec.	10
	DC operated	Make	msec.	45
		Break	msec.	10
Coil consumption	AC operated	Inrush	VA	50
		Sealed	VA	10
	DC operated	W	7	
Switching frequency		operations /hour	1,800	
Vibration resistance		10-55Hz	m/s ²	19.6
Shock resistance		10msec. half sine wave	m/s ²	49
Conductor size			mm ²	1.0 to 2.5

■ Contact arrangement

Table 4.5.2



- Notes: 1. 13-14, 43-44 Instantaneous NO contacts
 23-24, 33-34 Instantaneous NC contacts
 55-56, 65-66 Delayed NC contacts
 57-58, 67-68 Delayed NO contacts
 2. Aux. contact block should not be mounted.

● Delay time characteristics

