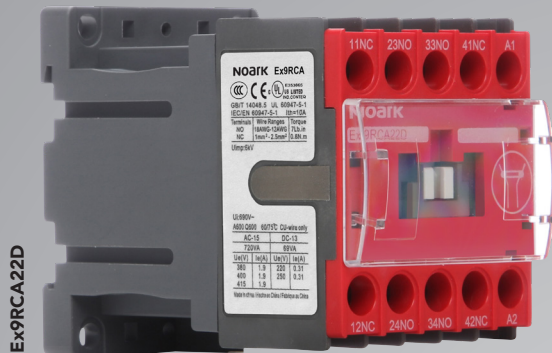


## Information Sheet Ex9RCA Safety Control Relay



## NOARK Electric Safety Control Relays

### Features/Highlights

- Force guided/mechanically linked contacts as per IEC/UL60947-5-1 Annex L
- Mechanically linked contacts symbol prominently displayed on red front cover
- Fixed transparent anti-dust cover allows easy identification of device action and prevents manual operation
- AC or DC operating coils on 4-pole models
- Extended contacts configuration up to 8 poles with permanent front block
- Easily mounts onto 35mm DIN rail or panel
- 5 year limited warranty

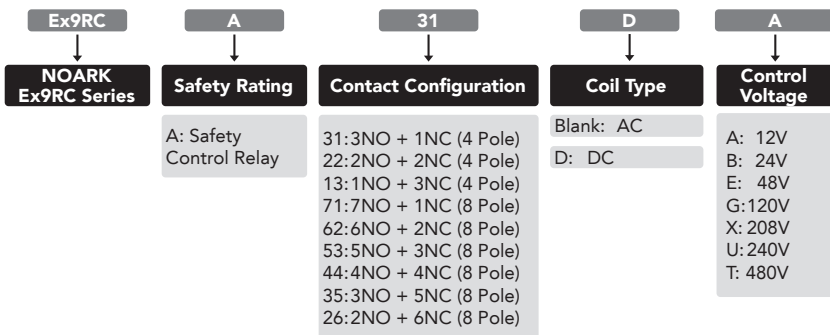


### Applications

- E-stops
- Light curtains
- Safety gates
- Safety interlocks

Ex9RCA		
<b>General Information</b>		
Poles	4, 8	
Production Standard	UL 60947-5-1, GB/T 14048.5, IEC/EN 60947-5-1	
Rated Operating Voltage AC 50/60 HZ (U <sub>e</sub> )	24, 48, 120, 208, 240, 480	
Rated Insulating Voltage U <sub>IEC</sub>	12, 24, 48, 120	
i (V)	690	
UL, CSA	600	
Rated Impulse Withstand Voltage U <sub>imp</sub> (kV)	6	
Electrical Life AC-15 (240V/2A) (million cycles)	1	
Mechanical Life (million cycles)	10	
Protection Class	IP20	
Ambient Temperature Transportation or Storage (°C)	-60...+80	
Operation at rated voltage (°C)	-20...+60	
Max. Altitude of Installation Site (m)	2000	
<b>AC-12 Rated Thermal Current I<sub>th</sub></b>		
Ambient temperature 40°C	24...240V (A) 10	
	230...500V (A) 10	
	230...690V (A) 10	
Ambient temperature 60°C I <sub>th</sub>	24...240V (A) 10	
	230...500V (A) 10	
	230...690V (A) 10	
<b>AC-15/A600</b>		
I <sub>e</sub>	120V (A)	6
	230V (A)	3
	240V (A)	3
	400V (A)	1.9
	480V (A)	1.5
	500V (A)	1.4
	600V (A)	1.2
<b>DC-13</b>		
I <sub>e</sub>	24V (A)	2.8
	48V (A)	1.2
	110V (A)	0.55
	220V (A)	0.27
	440V (A)	0.15
<b>Load Carrying Capacity per UL</b>		
Rated voltage AC (V)	Max. 600	
Continuous rating 40 °C (A)	10	
Switching capacity AC (A)	A600	
Rated voltage DC (V)	Max. 600	
Switching capacity DC (A)	Q600	
<b>Tolerance of Control Voltage</b>		
AC control (50/60 Hz)	pick-up (x Us)	0.85...1.1
	dropout (x Us)	0.2...0.75
DC control	pick-up (x Us)	0.8...1.1 (4 pole), 0.85...1.1 (8 pole)
	dropout (x Us)	0.1...0.75
<b>Coil Power Consumption</b>		
AC control (50/60 Hz)	pick-up (VA)	40
	hold-in (VA)	9
DC control	pick-up (W)	3.2-4.0
	hold-in (W)	3.2-4.0
<b>Operating Time</b>		
AC	closing delay (ms)	15...30
	opening delay (ms)	15...25
DC	closing delay (ms)	25-40
	opening delay (ms)	10...15

## Product Selection Guide



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