

■ TYPE LIST

Terminal style	Contact form	Coil versions	Enclosure style
			Plastics sealed
PCB terminal	2C (DPDT)	3~18VDC N (150mW)	876AN-2C-S
		24VDC N2 (200mW)	876AN2-2C-S
		48VDC N3 (300mW)	876AN3-2C-S

■ CONTACT RATING

Number of contacts and type	2 changeover contacts
Contact assembly	Bifurcated contacts
Contact material	AgNi + Au clad
Max. continuous current at max. ambient temperature	3A
Maximum switching current	2A / DC , 1A / AC
Maximum switching voltage	100VDC 125VAC / 250VAC
Maximum switching capacity	
DC voltage	60W
AC voltage	125VA / 60VA
Recommended for load voltages greater than	100mV at 1mA
Contact resistance (initial value)	≤ 100 mΩ

■ COIL RATING (876AN)

Rated voltage (V)	Rated current ±10% at 20°C (mA)	Coil resistance ±10% at 20°C (Ω)	Max. operating voltage at 20°C	Max. continuous voltage at 20°C	Minimum non-operating voltage at 20°C	Maximum non-release voltage at 20°C	Minimum release voltage at 20°C	Power consumption at rated voltage
3	50	60						
5	30	167	70% of rated voltage	200 % of rated voltage	35 % of rated voltage	35 % of rated voltage	5 % of rated voltage	approx. 0.15W
6	25	240						
9	16.7	540						
12	12.5	960						
18	8.3	2160						

■ COIL RATING (876AN2)

Rated voltage (V)	Rated current ±10% at 20°C	Coil resistance ±10 % at 20°C	Max. operating voltage at 20°C	Max. continuous voltage at 20°C	Minimum non-operating voltage at 20°C	Maximum non-release voltage at 20°C	Minimum release voltage at 20°C	Power consumption at rated voltage
24	8.3	2880	70% of rated voltage	180 % of rated voltage	35 % of rated voltage	35 % of rated voltage	5 % of rated voltage	approx. 0.2W
48	4.2	11,520						

■ COIL RATING (876AN3)

Rated voltage (V)	Rated current ±10% at 20°C	Coil resistance ±10 % at 20°C	Max. operating voltage at 20°C	Max. continuous voltage at 20°C	Minimum non-operating voltage at 20°C	Maximum non-release voltage at 20°C	Minimum release voltage at 20°C	Power consumption at rated voltage
48	6.3	7680	70% of rated voltage	160 % of rated voltage	35 % of rated voltage	35 % of rated voltage	5 % of rated voltage	approx. 0.3W

■ SPECIFICATION

Operate time including bounce	≤ 10 ms.
Release time including bounce	≤ 10 ms
Maximum switching rate without load	20 operations / s
Vibration resistance	
10 to 55Hz according to	10 g (function)
55 to 500Hz according to	20 g (damage)
Ambient temperature	Operating -25°C ~ +70°C (no freezing)
	Storage -40°C ~ +70°C (no freezing)
Shock resistance, half sinus, 11ms	10 g (function) 40 g (damage)

Capacitance at 1 kHz, 100V~ between open contacts	< 2 pF
between closed contacts	< 0.5 pF
between contacts and coil	< 5 pF
Electrical endurance at resistive load 30 VDC / 1A	5×10^5
30 VAC / 2A	1×10^5
120 VAC / 0.5A	1.5×10^5
Mechanical endurance	2×10^7 operations
Processing information	Ultrasonic cleaning is not recommended
Weight	approx. 5g

■ INSULATION

Insulation resistance at 500V	$\geq 1000 \text{ M}\Omega$
Dielectric test voltage	
Between open contact	750VAC _{rms}
Between contact and coil	1000VAC _{rms}
Between contact circuits	750VAC _{rms}
Surge voltage resistance according to FCC 68	1500V

■ SAFETY APPROVAL

Certified	UL / CUL
File No.	E74321

■ SAFETY APPROVAL RATING

UL / CUL			
100VDC 30W	30VDC 2A	125VAC 1A	125VAC 0.5A P.F. 75 percent

SONG CHUAN PRECISION CO., LTD.

NO. 51 , ALLEY 269 , CHENG CHIEN STREET,
SHU-LIN CITY, TAIPEI HSIEN , TAIWAN, R.O.C

FA X : (02) 8684-3097 ☎ : (02) 8684-5332 (代表號) , (02) 8684-5432

松川精密股份有限公司

地址：台北縣樹林市鎮前街 269 巷 51 號