

■ Electrical Specifications

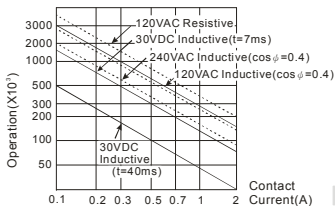
Model	DVP20SX211R	DVP20SX211T	DVP20SX211S
Item			
Power supply voltage	24VDC (-15% ~ 20%) (with counter-connection protection on the polarity of DC input power) DVPPS01(PS02): input 100-240VAC, output 24VDC/1A(PS02: 2A)		
Inrush current	Max. 7.5A@24VDC		
Fuse capacity	2.5A/30VDC, Polyswitch		
Power consumption	4.7W	4W	4W
Insulation resistance	> 5MΩ (all I/O point-to-ground: 500VDC)		
Noise immunity	ESD (IEC 61131-2, IEC 61000-4-2): 8kV Air Discharge EFT (IEC 61131-2, IEC 61000-4-4): Power Line: 2kV, Digital I/O: 1kV, Analog & Communication I/O: 1kV RS (IEC 61131-2, IEC 61000-4-3): 26MHz ~ 1GHz, 10V/m		
Grounding	The diameter of grounding wire cannot be smaller than the wire diameter of terminals 24V and 0V (All DVP units should be grounded directly to the ground pole).		
Operation / storage	Operation: 0°C ~ 55°C (temp.), 50 ~ 95% (humidity), Pollution degree2 Storage: -25°C ~ 70°C (temp.), 5 ~ 95% (humidity)		
Vibration / shock resistance	International standards: IEC61131-2, IEC 68-2-6 (TEST Fc)/IEC61131-2 & IEC 68-2-27 (TEST Ea)		
Weight (g)	243g	224g	227g

Items	Spec.	Input Point		
		24VDC (-15% ~ 20%) single common port input		
Input No.		X0, X2	X1, X3	X4 ~ X7
Input type		DC (SINK or SOURCE)		
Input Current (± 10%)		24VDC, 5mA		
Input impedance		4.7K Ohm		
Action level	Off→On	> 15VDC		
	On→Off	< 5VDC		
Response time	Off→On	< 2.5μs	< 10μs	< 20μs
	On→Off	< 5μs	< 20μs	< 50μs
Filter time		Adjustable within 0 ~ 20ms by D1020 (Default: 10ms)		

Items	Spec.	Output Point			
		Relay	Transistor		
Output No.		Y0 ~ Y5	Y0, Y2	Y1, Y3	Y4, Y5
Max. frequency		1Hz	100kHz	10kHz	1kHz
Working voltage		250VAC, < 30VDC	5 ~ 30VDC #1		
Max. load	Resistive	1.5A/1 point (5A/COM)	SX211T: 0.5A/1 point (3A/ZP) SX211S: 0.3A/1 point (1.8A/UP)		
	Inductive	#2	15W (30VDC)		
	Lamp	20WDC/100WAC	2.5W (30VDC)		
Response time	Off→On	Approx. 10 ms	2μs	20μs	100μs
	On→Off		3μs	30μs	100μs

- #1: DVP20SX211T: UP, ZP must work with external auxiliary power supply 24VDC (-15% ~ +20%), rated consumption approx. 3mA/point.
DVP20SX211S: UP, ZP must work with external auxiliary power supply 5~30VDC, rated consumption approx. 5mA/point.

#2: Life curves



[Figure 3]