

# Specifications

RoHS Compliant

Model Name: UPM-136xxSV

Description: PCB Mount / Extra High Breakdown Voltage

Contact Form: 1 Form A

Coil Spec		UPM-13605SV			UPM-13612SV			UPM-13624SV			
Test Parameters	Test Conditions	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Units
Coil Voltage			5.0			12.0			24.0		VDC
Coil Resistance	+/-10% 20°C		35			180			650		Ω
Must Operate	at 20°C			3.75			8.8			17.6	VDC
Must Release	at 20°C	0.7			1.2			2.4			VDC
Electrical											
Test Parameters		Test Conditions						Min	Nom	Max	Units
Switching Voltage		DC/Peak AC Resist								7500	V
Switching Current		DC/Peak AC Resist								3.0	A
Carry Current	at 30 °C	DC/Peak AC Resist								4.0	A
Contact Rating		DC/Peak AC Resist								50	W
Life Expectancy	at 20 °C	at 1V 10mA						100			×10 <sup>6</sup> Cycle
Contact Resistance		Max Initial Operate Voltage								500	mΩ
Insulation Resistance	Between Contacts	at 100 V 20 °C 65 %Rh						10 <sup>10</sup>			Ω
	Contacts to Coil							10 <sup>10</sup>			Ω
Dielectric Strength (Static)	Between Contacts	DC						10000			V
	Contacts to Coil	DC						10000			V
Operate Time	(Including Bounce)	100 Hz		at Nominal Coil Voltage						5.0	ms
Release Time		Square Wave		Diode Suppression						5.0	ms
Environmental											
Operate Temperature								-20		60	°C
Storage Temperature								-40		85	°C
Operate Humidity								25		75	%Rh
Vibration		2000 Hz								20	G's
Shock										50	G's
Measurement Reference Condition		Temperature						15		35	°C
		Humidity						25		75	%Rh
		Atmospheric Pressure						860		1060	hPa

Dimensions						CHAR	H.Yano	
A-P1009						CHK	S.Terao	
Note							APPR	J.Morinaga
							ISSUED	2012/2/23
REV	1	New enrollment(Changed the format from S-P0001, subject to databasing.)				CHAR	H.Yano	
						APPR	J.Morinaga	
						DATE	2012/2/27	

