



**AMPERITE CO.**

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CLASSIFICATION

**MINIATURE GENERAL PURPOSE RELAYS**

TYPE	MP1	MP2	MP3		
SECURITY CERTIFICATES					
OUTLINE DIMENSIONS (L x W x H)	 28mm x 21.5mm x 35mm	 28mm x 21.5mm x 35mm	 28mm x 31.5mm x 35mm		
PART NO.	MP1-2C 012D 01/02 MP1-3C 024D 01/02 MP1-2C 120A 01/02 MP1-3C 120A 01/02 MP1-3C 012D 01/02 MP1-4C 012D 01/02 MP1-4C 120A 01/02	MP2-1C 110A 01 MP2-2C 120A 02 MP2-2C 012D 01 MP2-2C 220A 02 MP2-2C 024D 01 MP2-2C 240A 01	MP3-3C 012D 02 MP3-3C 110A 01		
<b>CONTACT DATA</b>	CONTACT MATERIAL	Silver Alloy			
	CONTACT ARRANGEMENT	2C 3C 4C	1C 2C	3C	
	CONTACT RESISTANCE	50 Milliohms Max.		50 Milliohms Max.	
	RESISTIVE LOAD COS. $\theta = 1$	2C/3C: 7A 250 VAC / 30 VDC 4C: 5A 250 VAC / 30 VDC		1C: 15A 220 VAC / 28 VDC 2C: 10A 220 VAC / 28 VDC	3C: 5A 250 VAC / 30 VDC
	COIL TO CONTACT	1500 VAC (50/60 Hz)		1500 VAC (50/60 Hz)	
	MAX. CONTACT VOLTAGE	30 VDC / 250A		28 VDC / 250 VAC	30 VDC / 250 VAC
	MAX. CONTACT CURRENT	7A		1C = 15A 2C = 10A	5A
<b>COIL DATA</b>	NOMINAL VOLTAGE(VDC)	12 VDC 24 VDC 120 / 240 VAC	12 VDC 24 VDC 110 / 120 / 240 VAC	12 VDC 120 VDC	
	PICK-UP VOLTAGE VDC(MAX.)	9 19.2 VDC 96 / 176 VAC	9.6 VDC 19.2 VDC 96 / 96/ 176 VAC	9.6 VDC 96 VAC	
	DROP-OUT VOLTAGE VDC (MIN)	9.6 VDC 2.40 VDC 36 / 66 VAC	1.2 VDC 2.40 VDC 36/ 36 / 66 VAC	1.2 VDC 36 VAC	
	COIL RESISTANCE OHMS +/- 10%	160 $\Omega$ 650 $\Omega$ 4550/14400 $\Omega$	160 $\Omega$ 650 $\Omega$ 4450/4550/14400 $\Omega$	160 $\Omega$ 4450 $\Omega$	
	POWER CONSUMPTION	0.9W 0.9W 3.2/4.0VA	0.9W 0.9W 2.7 / 3.2 / 4.0VAC	0.9W 2.7VA	
	MAX. VOLTAGE	110%		110%	
<b>CHARACTERISTICS</b>	OPERATING TIME	25msec. Max.		25msec. Max.	
	RELEASE TIME	25msec. Max.		25msec. Max.	
	MECHANICAL LIFE	At 180 CPM 1,000,000		At 180 CPM 20,000,000	At 180 CPM 1,000,000
	ELECTRICAL LIFE	At 20 CPM 100,000		At 20 CPM 100,000	At 20 CPM 100,000
	AMBIENT TEMPERATURE	-55°C - +70°C		-40°C to +70°C	-40°C to +85°C
	UNIT WEIGHT	37 Grams		37 Grams	37 Grams

