



## COIL DATA CHART (AT20<sup>1</sup>/<sub>4</sub>C)

Nominal voltage	Pick-Up voltage	Drop-out voltage	Nominal current	Coil resistance	Power consumption	Max. allowable voltage
VAC	VAC(Max.)	VAC(Min.)	mA	$\Omega$ ( $\pm 10\%$ )	(VA)	(VAC)
6	4.8	1.8		16.5	Approx. 0.9	110% of nominal voltage
12	9.6	3.6		63		
24	19.2	7.2		250		
110/120	88/96	33/36		5600		
220/240	176/192	66/72		18800		

## CONTACT RATING

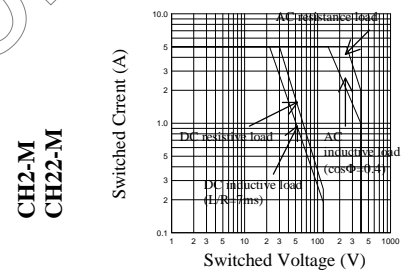
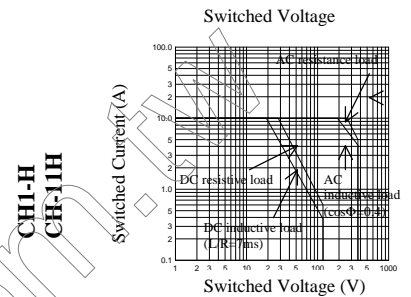
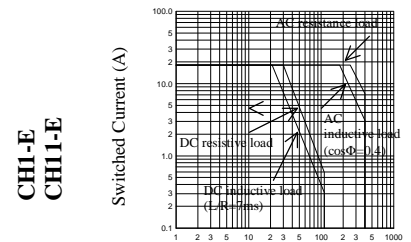
Item	Arrangement	E- Type		H- Type		M- Type	
		Resistive load (cos $\Phi$ =1)	Inductive load (cos $\Phi$ =0.4)	Resistive load (cos $\Phi$ =1)	Inductive load (cos $\Phi$ =0.4)	Resistive load (cos $\Phi$ =1)	Inductive load (cos $\Phi$ =0.4)
Rated load		16A 250VAC 16A 30VDC	8A 250VAC 8A 30VDC	10A 250VAC 10A 30VDC	5A 250VAC 5A 30VDC	5A 250VAC 5A 30VDC	2A 250VAC 2A 30VDC
Carrying current		16A		10A		5A	
Max. switching voltage		250VAC, 48VDC		250VAC, 48VDC		250VAC, 48VDC	
Max. switching current		16A		10A		5A	
Max. switching power		4000VA, 480W	2000VA, 240W	2500VA, 300W	1250VA, 150W	1250VA, 150W	500VA, 60W
Min. permissible load		DC 5V 100mA				DC 5V 10mA	
Contact material		Ag Alloy					

## PERFORMANCE (at initial value)

Contact Resistance	Max. 100m $\Omega$
Operation time (at nominal voltage)	Max. 15msec
Release time (at nominal voltage)	Max. 10msec
Operating frequency	20 ops/minute
Insulation resistance	Min. 100M $\Omega$ (at 500VDC)
Vibration resistance	Functional : 10 to 55 Hz, 1.5mm double amplitude Destructive : 10 to 55 Hz, 1.5mm double amplitude
Shock resistance	Functional : Min, 10 G Destructive : Min, 100G
Dielectric strength	5000VAC. for 1 minute between coil and contact. 2500VAC. for 1 minute between contact sets. 1000VAC. for 1 minute between open contacts.
Ambient temperature	Storage : -40 to +80 <sup>1</sup> / <sub>4</sub> C Operating : -40 to +80 <sup>1</sup> / <sub>4</sub> C
Humidity	40 to 85% RH
Life expectancy	Mechanical : 1x10 <sup>7</sup> operations Electrical : 1x10 <sup>5</sup> operations (at rated load)
Weight	Approx. 17grs.
U/L File NO	E156406

## REFERENCE DATA

### Maximum Switched Power



### Electrical Life Expectancy

