

Main Feature

1. Low power consumption; AC/DC coil available.
2. Proper insulation distance with 5,000VAC dielectric strength.
3. UL Class F insulation available.
4. In accordance with IEC 60335-1 and IEC 60730-1.
5. Halogen Free series available.
6. Comply with RoHS and REACH regulations

Contact Rating

Load Type	AMI (A)
Rated Load (Resistive)	8A 250VAC
	8A 30VDC
Rated Carrying Current	8A
Max. Allowable Voltage	AC 250V
	DC 300V
Max. Allowable Current	8A
Max. Allowable Power Force	2,000VA
	240W
Contact Material	Ag Alloy
Contact Form	DPDT

Max Allowable Voltage: 300VDC@0.2A

Application

Cooking Appliance, Audio Equipment, Domestic Appliance and Controlling Equipment...etc.

Performance (at Initial Value)

- Contact Resistance..... 100 mΩ Max.@1A,6VDC
- Operate Time..... 10mSec. Max.
- Release Time..... 5 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact.....5,000VAC at 50/60 Hz for one minute
 - Between Contacts..... 1,000VAC at 50/60 Hz for one minute
- Surge Strength:..... 10,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance..... 100MΩ Min at 500VDC
- Max. On/Off Switching:
 - Electrical.....20 Cycles per Minute
 - Mechanical.....300 Cycles per Minute
- Temperature Range.....-40~+85 °C
- Humidity Range..... 45~85% RH.
- Coil Temperature Rise..... 30 °C Max.

- Vibration:
 - Endurance..... 10 to 55 Hz dual amplitude width 1.5 mm
 - Error Operation..... 10 to 55 Hz dual amplitude width 1.5 mm
- Shock:
 - Endurance 1,000 m/S²
 - Error Operation..... 100 m/S²
- Life Expectancy:
 - Electrical..... 10⁵ Operations at Rated Resistive Load
 - Mechanical..... 10⁷ Operations at No load condition
- Weight..... About 12.5 g

Accessories & Sockets

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Safety Standard & File Number

- UL & C-UL.....E520111

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VAC/VDC)	Nominal Current (mA)		Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (DC: W; AC: VA)		Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
		50HZ	60HZ		50HZ	60HZ			
AMI DC Coil	6	66.7		90	Abt. 0.40		80% Maximum	5% Minimum	130%
	9	44.6		202					
	12	33.3		360					
	15	26.6		560					
	18	22.3		810					
	24	16.7		1,440					
	48	8.7		5,520					
	60	8.2		7,340					
	110	4.1		26,530					
AMI AC Coil	24	29.75	25.35	350	0.71	0.61	30% Minimum		
	115	7.65	6.3	8,100	0.88	0.73			
	230	3.42	2.72	32,500	0.79	0.63			

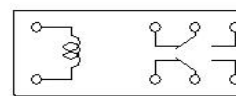
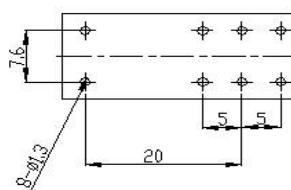
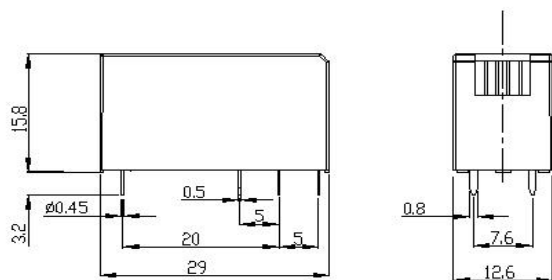
Ordering Information

AMI	SH	2	12	D	M	G	F		
								Insulation System:	Nil: Standard Class F: Class F
								Contact Material:	
								Contact Form:	Nil: Form C M: Form A B: Form B
								Type:	F: New Structure DC Coil, Pinning 5.0mm, 8A D: Standard DC Coil A: Standard AC Coil
								Coil Voltage:	VDC (06: 6V, 09: 9V, 12: 12V, 15: 15V, 18: 18V, 24: 24V, 48: 48V, 60: 60V, 110: 110V) VAC (24: 24V, 115: 115V, 230: 230V)
								Number of Pole:	2: Two Poles
								Type of Sealing:	SH: RT III Wash Tight
								Model Name:	AMI

Classification

Model	AMI					
Coil Sensitivity	DC Coil			AC Coil		
Contact Form	2C	2A	2B	2C	2A	2B
Wash Tight	AMI SH 2□□□D	AMI SH 2□□□DM	AMI SH 2□□□DB	AMI SH 2□□□A	AMI SH 2□□□AM	AMI SH 2□□□AB
Wash Tight- New	AMI SH 2□□□F	AMI SH 2□□□FM	AMI SH 2□□□FB	-	-	-

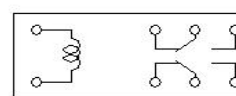
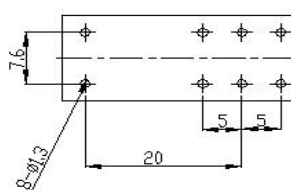
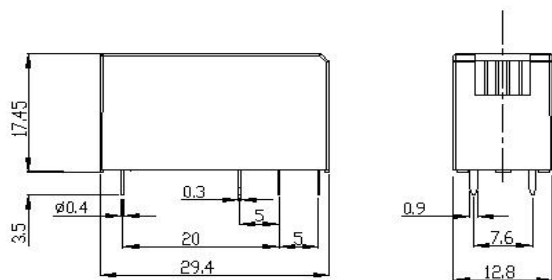
Dimension ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)



P.C.B. Layout

Bottom View

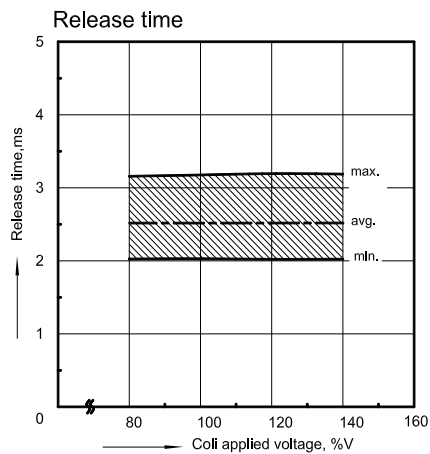
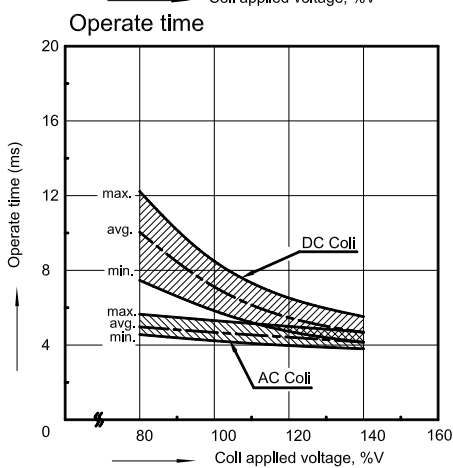
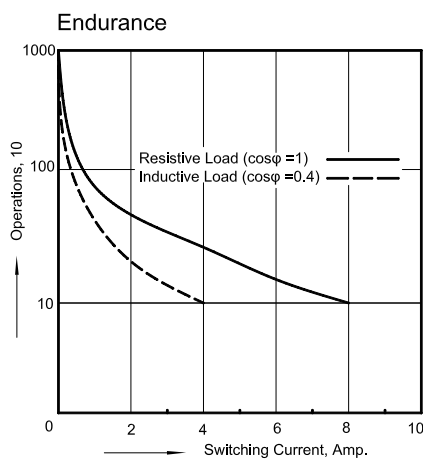
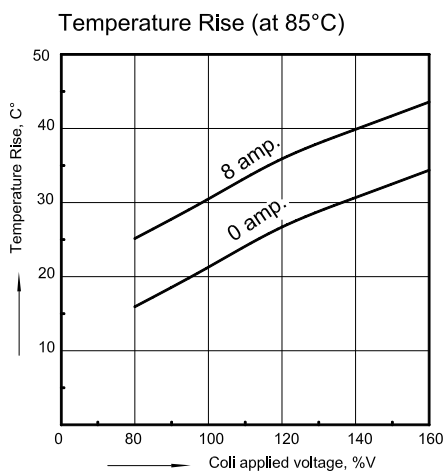
(New Structure DC Coil)



P.C.B. Layout

Bottom View

Reference Data



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