

RoHS Compliant

REV	SIGN	DATE	DESCRIPTION	APPROVER
A0		2021.03.08	Initial Release	LENA
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				

#### COIL SPECIFICATION

- Coil Nominal Voltage: 5V DC
- Coil Nominal Current: 40mA
- Coil Resistance:  $125\Omega \pm 10\%$
- Coil Power Consumption: Abt. 0.2W
- Pull-In Voltage(VDC): 4V Max
- Drop-Out Voltage(VDC): 0.25V Min
- Maximum Allowable Voltage: 6.5V
- Operate Time: 10 mSec. Max.
- Release Time: 5 mSec. Max.

#### CONTACT RATING

- Rated Load(Resistive): 10A 250V AC, 12A 125VAC  
10A 30V DC,
- Rated Carrying Current: 10A
- Max. Allowable Voltage: AC 250V / DC 30V
- Max. Allowable Current: 12A
- Max. Allowable Power Force: 2,500VA 300W
- Contact Material: Ag Alloy
- Contact Form: SPST

#### ELECTRICAL

- Dielectric Strength:
  - Between Coil & Contact: 4,000V AC (50/60 Hz for 1 minute)
  - Between Contact: 1,000V AC (50/60 Hz for 1 minute)
- Contact Resistance: 100m $\Omega$  Max. at 1A, 6V DC
- Insulation Resistance: 100M $\Omega$  Min at 500V DC

#### MECHANICAL

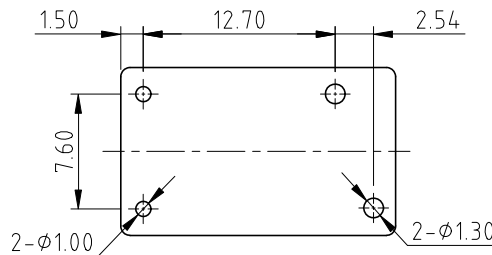
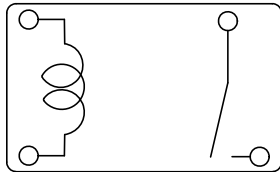
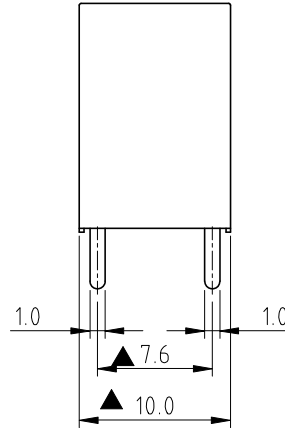
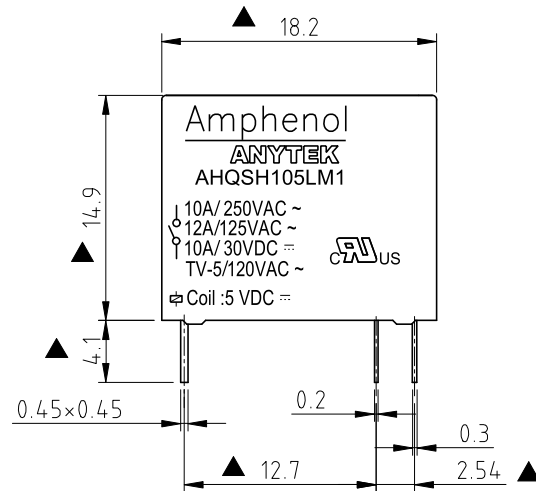
- Life Expectancy(Operations):
  - Electrical:  $1 \times 10^5$  operations at Rated Resistive load
  - Mechanical:  $1 \times 10^7$  operations at No Resistive load
- Operating Temperature: -40°C ~ 85°C
- Safety Approval: UL

**Amphenol**  
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TITLE		AHQ Series Relay, 5V DC, RT III Wash Tight			
PART NO.	AHQSH105LM100G			DWG NO.	8AHQ0005
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	
		LENA 2021.03.08	LENA 2021.03.08		Tolerance
					X. $\pm 0.50$
					X.X $\pm 0.30$
					X.XX $\pm 0.10$
					X° $\pm 1^\circ$



P.C.B. LAYOUT  
Bottom View

Part No. AHQ SH 1 05 L M 1 00G

- Rated Carrying Current:  
1 : 10A
- Contact Form:  
M : One Form A
- Coil Type:  
L : High DC
- Coil Voltage:  
05: 5V(VDC)
- Number of pole,  
1: One Pole
- Type of sealing :  
SH:RT III wash tight
- TYPE : AMI

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