

RoHS Compliant

REV	SIGN	DATE	DESCRIPTION	APPROVER
A0		2021.09.16	Initial Release	LENA
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				

#### COIL SPECIFICATION

- Coil Nominal Voltage: 5V DC
- Coil Nominal Current: 71.4mA
- Coil Resistance:  $70\Omega \pm 10\%$
- Coil Power Consumption: Abt. 0.36W
- Pull-In Voltage(VDC): 4.0V Max
- Drop-Out Voltage(VDC): 0.25V Min
- Maximum Allowable Voltage: 5.5V
- Operate Time: 10 mSec. Max.
- Release Time: 5 mSec. Max.

#### CONTACT RATING

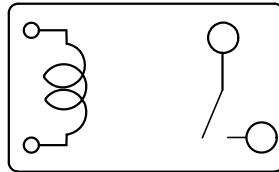
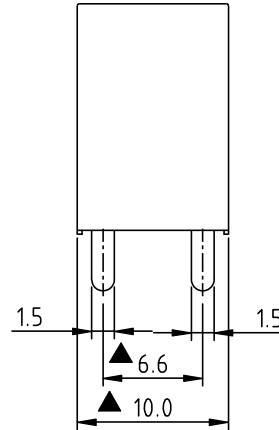
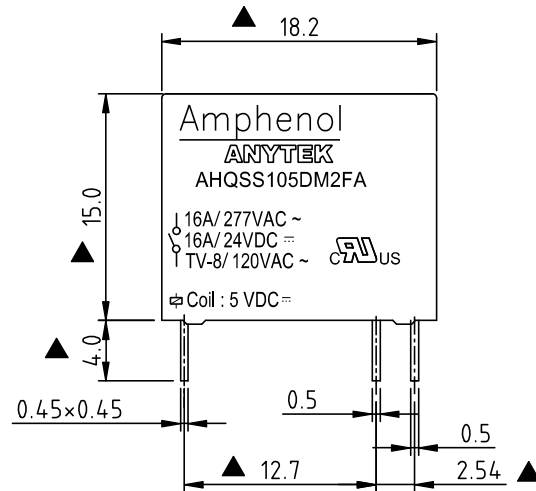
- Rated Load(Resistive): 16A 277V AC, 16A 24VAC
- Rated Carrying Current: 16A
- Max. Allowable Voltage: AC 277V / DC 24V
- Max. Allowable Current: 16A
- Max. Allowable Power Force: 4,432VA 384W
- Contact Material: Ag Alloy
- Contact Form: SPST

#### ELECTRICAL

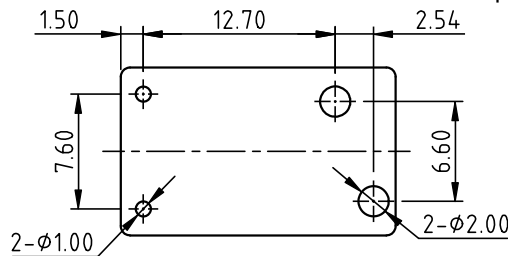
- Dielectric Strength:
  - Between Coil & Contact: 4,000V AC (50/60 Hz for 1 minute)
  - Between Contact: 1,000V AC (50/60 Hz for 1 minute)
- Contact Resistance: 100m $\Omega$  Max. at 1A, 6V DC
- Insulation Resistance: 100M $\Omega$  Min at 500V DC

#### MECHANICAL

- Life Expectancy(Operations):
  - Electrical:  $1 \times 10^6$  operations at Rated Resistive load
  - Mechanical:  $1 \times 10^7$  operations at No Resistive load
- Operating Temperature: -40°C ~ 105°C
- Safety Approval: UL



Part No. AHQ SS 1 05 D M 2 F A0G



P.C.B. LAYOUT  
Bottom View

- Insulation System:
  - F : Class F
- Rated Carrying Current:
  - 2 : 16A
- Contact Form:
  - M : One Form A
- Coil Type:
  - D : Standard DC Coil
- Coil Voltage:
  - 12: 5V(VDC)
- Number of pole,
  - 1: One Pole
- Type of sealing :
  - SS:RT II Flux Proofed
- TYPE : AHQ

**Amphenol**  
**ANYTEK**

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TITLE		AHQ Series Relay, one pole, 5V DC, RT II Wash Tight							
PART NO.		AHQSS105DM2FA0G			DWG NO.		8AHQ0008		
APPROVED		CHECKED	DESIGNED	DRAWN	CUST NO.		Tolerance		
			LENA 2021.09.16	LENA 2021.09.16			UNIT: mm	X.	±0.50
							SCALE: 2:1	X.X	±0.30
					SHEET: 01/01		REV.: A0	X.XX	±0.10
								X°	±1°