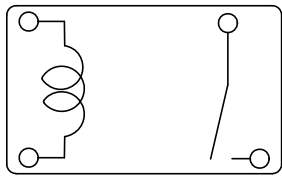
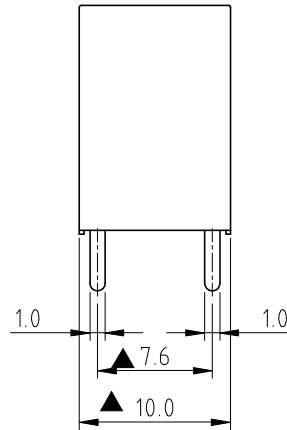
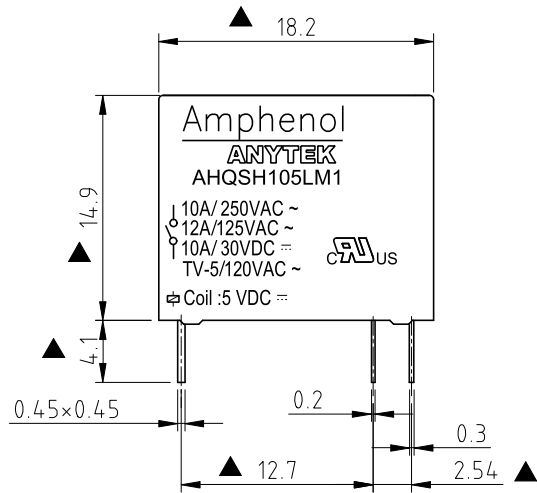


RoHS Compliant

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: 125Ω ±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

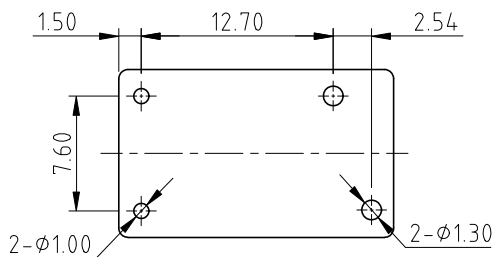
- Rated Load(Resistive): 10A 250V AC, 12A 125VAC, 10A 30V DC,
- Rated Carrying Current: 10A
- Max. Allowable Voltage: AC 250V / DC 30V
- Max. Allowable Current: 12A
- Max. Allowable Power Force: 2,500VA 300W
- Contact Material: Ag Alloy
- Contact Form: SPST

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: 100mΩ Max. at 1A, 6V DC
- Insulation Resistance: 100MΩ Min at 500V DC

MECHANICAL

- Life Expectancy(Operations):
 - Electrical: 1 x 10⁵ operations at Rated Resistive load
 - Mechanical: 1 x 10⁷ operations at No Resistive load
- Operating Temperature: -40°C ~ 85°C
- Safety Approval: UL



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

Amphenol ANYTEK

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TITLE	AHQ Series Relay, 5V DC, RT III Wash Tight				DWG NO. 8AHQ0005	
PART NO.	AHQSH105LM100G			CUST NO.		
APPROVED	CHECKED	DESIGNED	DRAWN	Tolerance		
		LENA 2021.03.08	LENA 2021.03.08		UNIT: mm	X. ±0.50
					SCALE: 2:1	X.X ±0.30
SHEET: 01/01				REV: A0	X° ±1°	