

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: 12V DC
- Coil Nominal Current: 30mA
- Coil Resistance: 400Ω ±10%
- Coil Power Consumption: Abt. 0.36W
- Pull-In Voltage(VDC): 9.6V Max
- Drop-Out Voltage(VDC): 0.6V Min
- Maximum Allowable Voltage: 13.2V
- Operate Time: 10 mSec. Max.
- Release Time: 5 mSec. Max.

CONTACT RATING

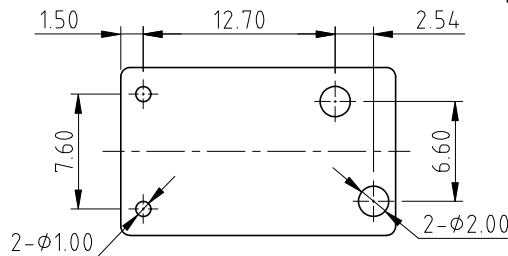
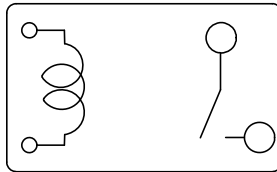
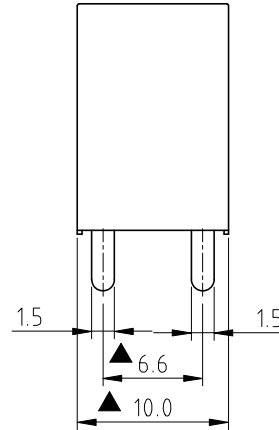
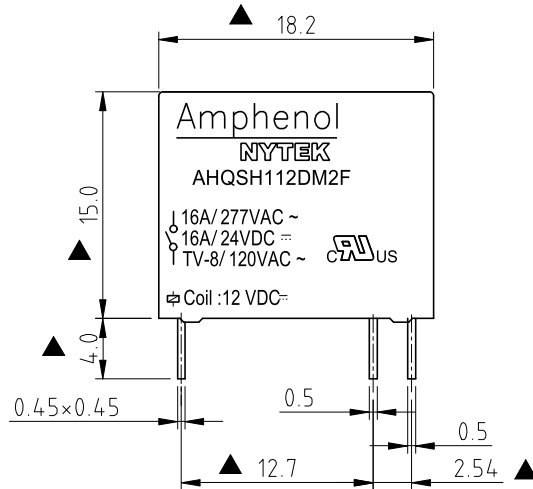
- Rated Load(Resistive): 16A 277V AC, 16A 24VAC
- Rated Carrying Current: 16A
- Max. Allowable Voltage: AC 277V / DC 24V
- Max. Allowable Current: 16A
- Max. Allowable Power Force: 4,432VA 384W
- Contact Material: Ag Alloy
- Contact Form: SPST

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

MECHANICAL

- Life Expectancy(Operations):
 - Electrical: 1 x 10⁶ operations at Rated Resistive load
 - Mechanical: 1 x 10⁷ operations at No Resistive load
- Operating Temperature: -40°C ~ 105°C
- Safety Approval: UL



P.C.B. LAYOUT
Bottom View

Part No. AHQ SH 1 12 D M 2 F 00G

- 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: 12V(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, one pole, 16V DC, RT III Wash Tight			
PART NO.	AHQSH112DM2F00G			DWG NO.	8AHQ0004
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	
		LENA 2021.03.08	LENA 2021.03.08		Tolerance
					X. ±0.50
					X.X ±0.30
					X.XX ±0.10
					X° ±1°
				SHEET: 01/01	REV.: A0