HAMLIN

www.hamlin.com

MASM-14 Features and Benefits

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- Features
- Sub-miniature, surface mount normally open switch
- 14mm x 2.28mm (0.551" x 0.090") glass envelope
- Capable of switching 200 Vdc at up to 10 Watts
- Switching current up to 0.5 Amps • Low close/open hysteresis
- (close differential)
- 10¹⁰ Ohms insulation resistance
- RoHS compliant

Benefits

- · Hermetically sealed switch contacts are not affected by and have no effect on their external environment
- No minimum switching voltage or current
- Low, stable contact resistance
- · Zero operating power required for contact closure
- · Fit and forget durability

Applications

Expertise Applied Answers Delivered

• Position Sensing

l ittelfuse

- Proximity Sensing
- Sensing Float Position
- for Liquid Level Industrial Controls

RECOMMENDED LAND PATTERN

16.00 (.630)

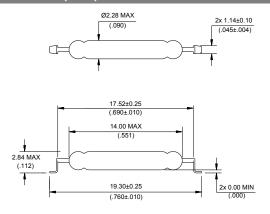
2x 2.34 (.092)

- Office Equipment
 - Home Appliances

- 2x 1.30 (.051)

ł.

DIMENSIONS mm (inch)



SWITCH TYPE MASM-14 Contact Form A (SPST-NO) c**AL**us File Numbers E47258, E471070 Certifications ELECTRICAL RATINGS W / VA - max. Contact Power Rating (2) 10 Voltage Switching Vdc - max. 200 Vac - max. 140 Breakdown Vdc - min. 200 Current 0.50 Switching Adc - max. Aac - max. 0.35 Carry Adc - max. 1.00 Resistance Contact, Initial Ω - max. 0.100 1010 Insulation Ω - min pF - typ 0.3 Capacitance Contact -40 to +125 Operating °C Temperature -65 to +125 Storage (6) °C **OPERATING CHARACTERISTICS** Operate Time (3) ms - max. 0.6 Release Time (3) ms - max 0.2 11ms 1/2 sine wave Shock G - max 100 Vibration 50-2000 Hertz G - max 30 **Resonant Frequency** Hz - typ. 5300 MAGNETIC CHARACTERISTICS Pull-In Range (4) 10-30 Ampere Turns Drop-out Ampere Turns - min. 5 Rating Sensitivity (5) Ampere Turns 20 Test Coil L4989

Notes:

- 1 For details on electrical specifications, contact Littelfuse / Hamlin.
- 2. Contact Power Rating - Product of the switching voltage and current should never exceed this rating.
- Operate (including Bounce) and Release Time per EIA/NARM RS421A, diode suppressed coil. 3.

Pull-In Range - Contact Littelfuse / Hamlin for tolerances available within this range. 4.

Rating Sensitivity - The value at which contact ratings and operating characteristics are determined. Derating may be required below this value. 5.

6. Storage Temperature - Long term exposure at elevated temperature may degrade solderability of leads.

Littelfuse/Hamlin USA Email: sales.us@hamlin.com Littelfuse/Hamlin Europe Email: sales.uk@hamlin.com Littelfuse/Hamlin China Email: sales.cn@hamlin.com

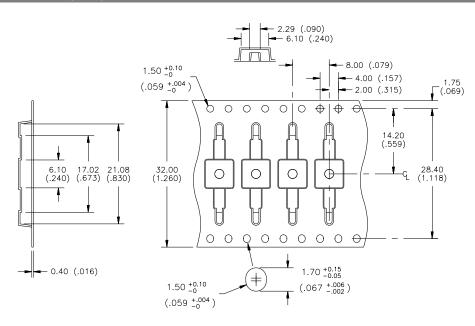
C0784 AB 10-MASM-14

Specifications and descriptions in this datasheet are as accurate as known at the time of publication, but are subject to changes without notice. Product performance may be affected by the application to which the product is applied.

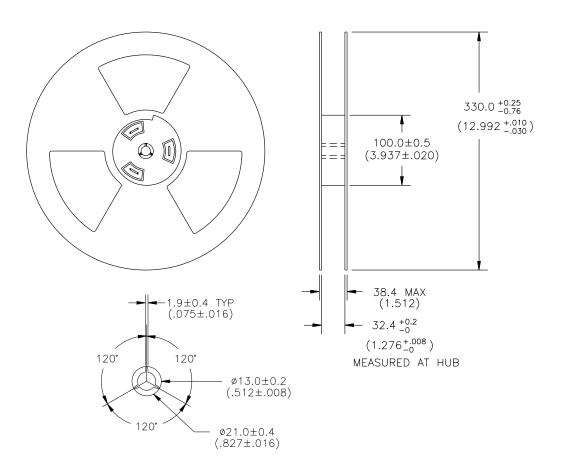
MASM-14 Reed Switch

Packaging: Tape and Reel - 3,000 per Reel

TAPE DIMENSIONS mm (inch)



REEL DIMENSIONS mm (inch)



Littelfuse/Hamlin USA Email: sales.us@hamlin.com Littelfuse/Hamlin Europe Littelfuse/Hamlin China

Email: sales.uk@hamlin.com Email: sales.cn@hamlin.com Specifications and descriptions in this datasheet are as accurate as known at the time of publication, but are subject to changes without notice. Product performance may be affected by the application to which the product is applied. is applied.