

HAMLIN®

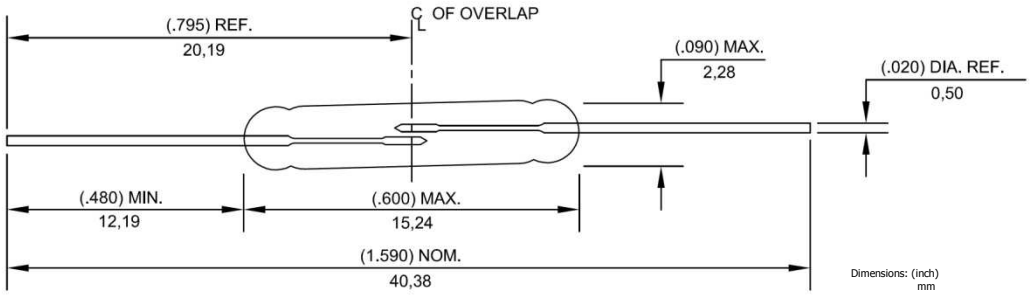
BENEFITS

- Hermetically sealed switch
- Contacts have no effect on their external environment
- Low space requirement
- Zero operating power required
- Fit and forget durability

APPLICATIONS

- Reed Relays
- Security
- Limit Switching
- Telecoms line switching
- Office equipment
- Light inductive loads
- European mains Voltage Switching

HA15-2



Switch type			HA15-2	
Contact Form			A (SPST)	
Underwriters Laboratories Recognized, File E47258 (1)			c UL us	
ELECTRICAL RATINGS		Sensitivity (5)	17-23	22+
Contact Rating (2)		Watts - max	20 W for 100-265 VAC loads 10 W for all other loads	
Voltage	Switching	VAC rms max / VDC	265 / 200	265 / 200
	Breakdown	VDC - min	400	450
Current	Switching	A - max (AC/DC)	0.3 / 0.4	0.35 / 0.5
	Carry	A - max (DC)	1.4	1.5
Resistance	Contact, Initial	Ω - max	0.100	0.100
	Insulation	Ω - min	10^{10}	10^{10}
Capacitance	Contact	pF - typ	0.2	0.2
Temperature	Operating	°C	-20 to +125	-20 to +125
	Storage (6)	°C	-65 to +125	-65 to +125
OPERATING CHARACTERISTICS				
Operate time (3)		ms - max	0.6	
Release Time (3)		ms - max	0.2	
Shock	11ms 1/2 sine wave	G - max	100	
Vibration	50-2000 Hertz	G - max	30	
Resonant Frequency		Hz - typ	4000	
MAGNETIC CHARACTERISTICS				
Pull-in Range (4)		Ampere Turns	17-23, 22-28, 27-33	
Test Coil			L4989	

Notes
1) For details on electrical specifications contact Hamlin
2) Contact rating-Product of the switching voltage and current should never exceed the wattage rating. Contact Hamlin for additional load/life information
3) Operate (inc. bounce / Release Time-per Eia/NARM RS421A, diode suppressed coil.
4) Pull in Range-Contact Hamlin for tolerances within this range.
5) Rating Sensitivity, The value at which contact ratings and operating characteristics are determined. Derating may be required for lower values
6) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

Hamlin USA Tel: +1 920 648 3000 Fax: +1 920 648 3001 Email: sales.us@hamlin.com
Hamlin UK Tel: +44 (0) 1379 649700 Fax: +44 (0) 1379 649702 Email: sales.uk@hamlin.com
Hamlin Germany Tel: +49 (0) 6142 923920 Fax: +49 (0) 6142 923921 Email: sales.de@hamlin.com
Hamectrol France Tel: +33 (0) 1 6047 3000 Fax: +33 (0) 1 6015 9136 Email: sales.fr@hamlin.com
Hamlin China Tel: +86 512 69365 800 Fax: +86 512 69365 817 Email: sales.cn@hamlin.com

DETAILS ON THIS DATA SHEET ARE PROVIDED FOR INFORMATION PURPOSES ONLY & SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE
Product performance may be affected by the application that the part is used for.
Upon request Hamlin will assist purchasers by providing information specific to a particular application.
Hamlin disclaims all liability whatsoever for any purchaser's reliance upon the information contained in this data sheet without further consultation with Hamlin's authorised representatives.

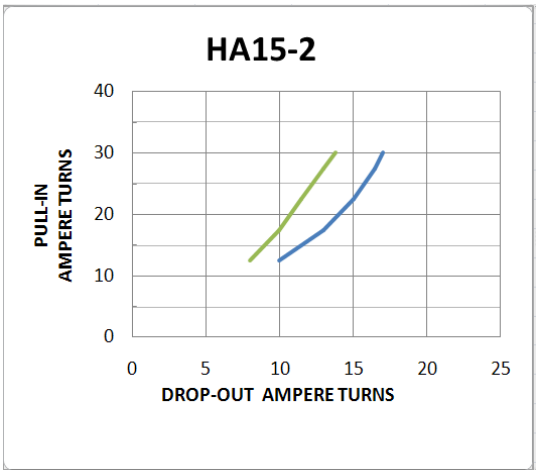
Issue no. AB
2011-08-11
DCR B8057



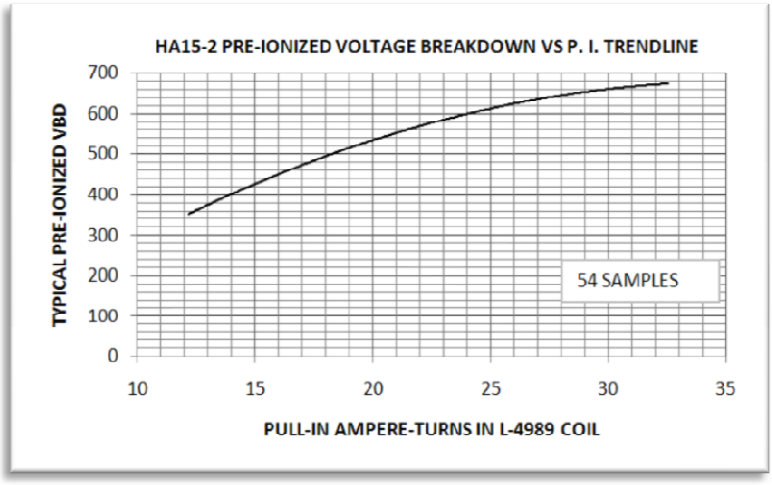
HAMLIN®

HA15-2

PI vs DO



BREAKDOWN VOLTAGE



TYPICAL LIFE TEST RESULTS

Voltage	10 VDC	24VDC	25VDC	120VAC Relay	250VAC
Current	1 mA	10 mA	250mA	20 mA	10 mA
Pull-In AT	20	20	20	15	20
Life	1×10^8	1×10^7	50×10^6	2×10^6	5×10^6

Life test notes:-
Each operation monitored for failure to open or close.
15-20 samples each test.
End of life criteria: >10% failure.
Results may vary with such factors as pull-in, circuit reactance or drive method.

Hamlin USA Tel: +1 920 648 3000 Fax: +1 920 648 3001 Email: sales.us@hamlin.com
Hamlin UK Tel: +44 (0) 1379 649700 Fax: +44 (0) 1379 649702 Email: sales.uk@hamlin.com
Hamlin Germany Tel: +49 (0) 6142 923920 Fax: +49 (0) 6142 923921 Email: sales.de@hamlin.com
Hamectrol France Tel: +33 (0) 1 6047 3000 Fax: +33 (0) 1 6015 9136 Email: sales.fr@hamlin.com
Hamlin China Tel: +86 21 68062833 Fax: +86 21 62424802 Email: sales.cn@hamlin.com

DETAILS ON THIS DATA SHEET ARE PROVIDED FOR INFORMATION PURPOSES ONLY & SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE
Product performance may be affected by the application that the part is used for.
Upon request Hamlin will assist purchasers by providing information specific to a particular application.
Hamlin disclaims all liability whatsoever for any purchaser's reliance upon the information contained in this data sheet without further consultation with Hamlin's authorised representatives.

Issue no. AB
2011-08-11
DCR B8057

AMEYA360
Components Supply Platform

Authorized Distribution Brand :

Website :

Welcome to visit www.ameya360.com

Contact Us :

- ### Address :

  401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
  Minhang District, Shanghai , China

- ### Sales :

  Direct +86 (21) 6401-6692

  Email amall@ameya360.com

  QQ 800077892

  Skype ameyasales1 ameyasales2

- ### Customer Service :

  Email service@ameya360.com

- ### Partnership :

  Tel +86 (21) 64016692-8333

  Email mkt@ameya360.com