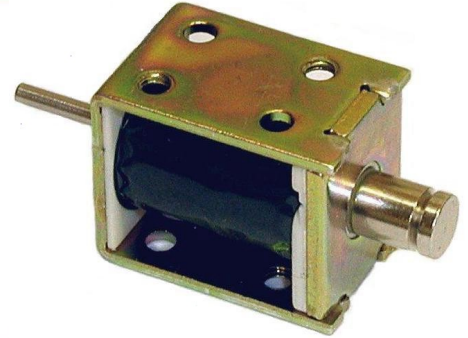


# Solenoids

## Series 133

## Miniature Open Frame Solenoid



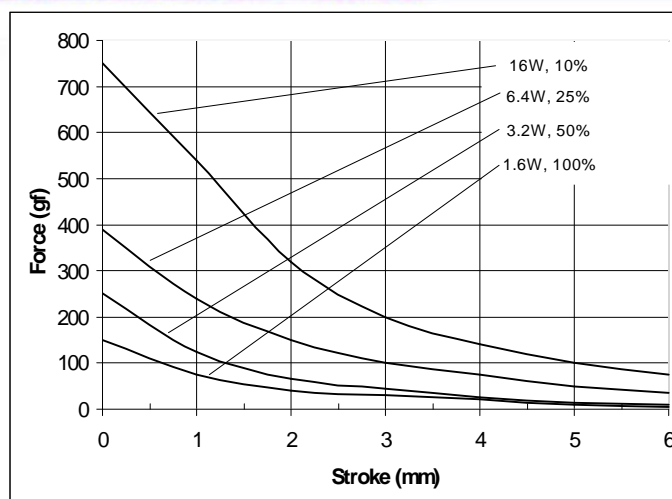
### GENERAL DESCRIPTION

- Miniature Design, Compact Solenoid
- Pull or Push available, DC powered

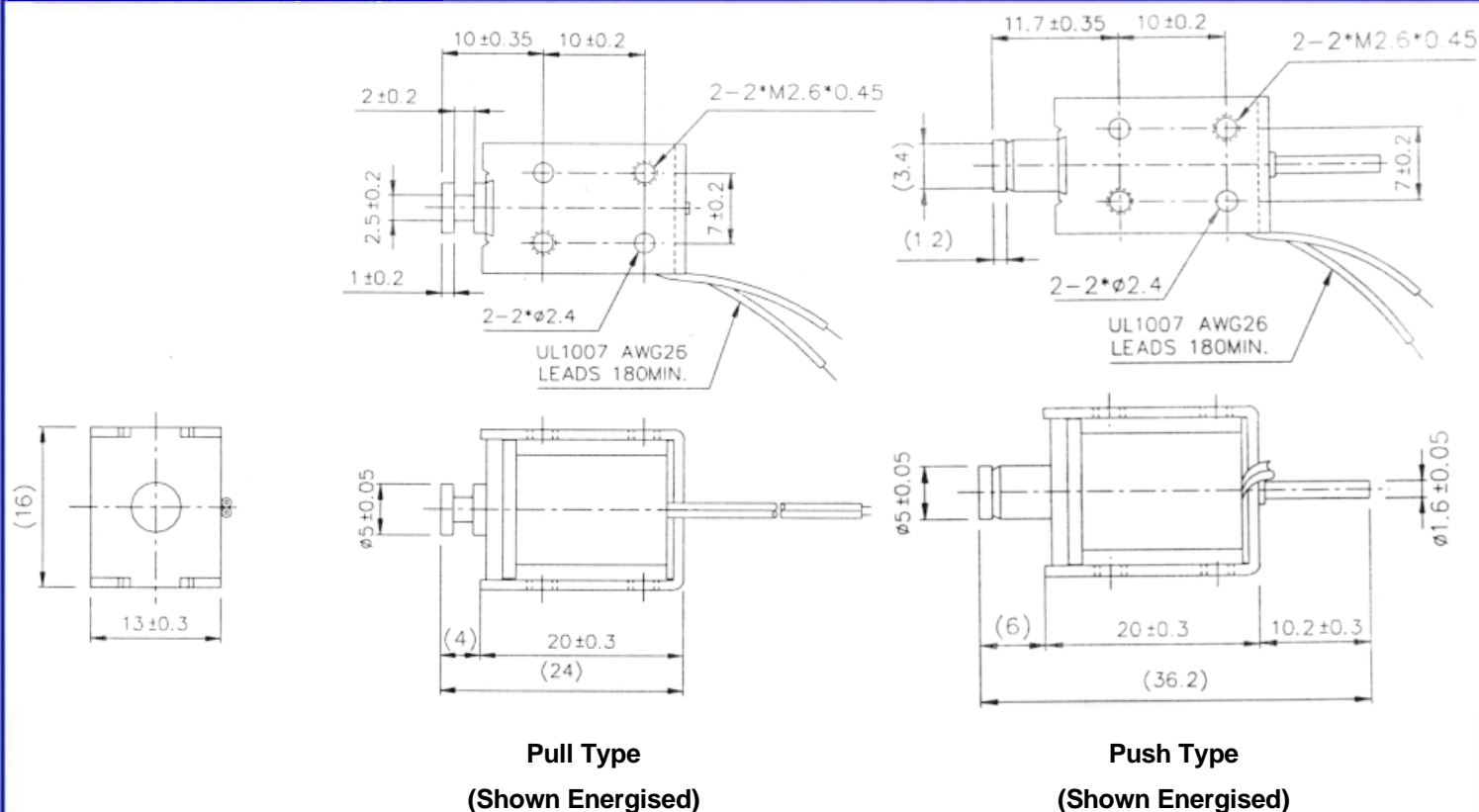
### PERFORMANCE

ELECTRICAL	ITEM	SPECIFICATION	
	Closed power (continuous rating)	1.6W	
	Dielectric strength	1000V RMS 50Hz, 1 minute	
	Insulation	All coils tested to frame at 1000V RMS 50Hz	
MECHANICAL	Weight	Total: 18g. approx.	Plunger: 2.4g
	Ambient temperature	The information given on this page is based on a room temperature of 20°C allowing for a nominal 75°C temperature rise in the coil.	
	Force stroke curve	This force stroke curve shows average performance only. In addition to normal manufacturing tolerances, deviations can be expected at some voltages due to the coil winding tolerances.	

### FORCE AND STROKE CURVES



## DIMENSIONS (mm)



## CODING

133-052-010-XXX	Pull Type
133-052-020-XXX	Push Type

Type No.	Resistance (Ohms) ±10% @ 20°C	Voltage dc			
		Continuous 100%	50% Or less	25% Or less	10% Or less
133-052-010-540	23	6	8.5	12	19
133-052-010-620	90	12	17	24	38
133-052-020-540	23	6	8.5	12	19
133-052-020-620	90	12	17	24	38
Maximum 'on' time (seconds)		∞	55	19	3
Watts at 20 °C		1.6	3.2	6.4	16

$$\text{Duty Cycle (\%)} = \frac{\text{'ON' time}}{\text{'ON' time} + \text{'OFF' time}} \times 100$$



components

BLP products are designed, manufactured and tested to quality standards approved by BSI.

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BLP, Exning Road, Newmarket, Suffolk CB8 0AX, England

Tel: +44 (0)1638 665161 Fax: +44(0)1638 660718 e.mail: sales@blpcomp.com web site: www.blpcomp.com

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