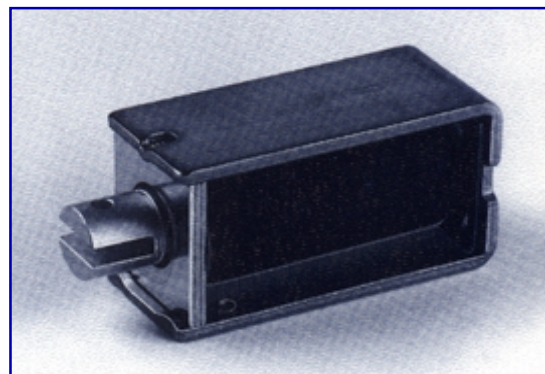


Solenoids

Series 42 Small, high force/stroke ratio Solenoid



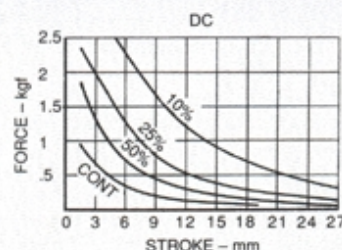
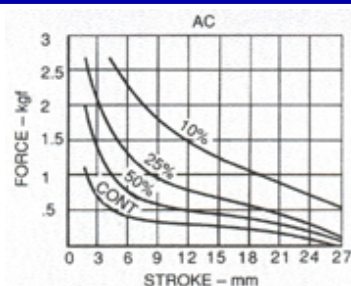
GENERAL DESCRIPTION

- AC & DC types
- Pull and thrust versions
- Shading ring for quiet AC operation

PERFORMANCE

Electrical	ITEM	SPECIFICATION
	Maximum on Time	See table below
	Closed power (continuous rating)	AC: 15VA DC: 10W
	Maximum permissible voltage	240V
Mechanical	Insulation	All coils tested to frame at 1500V RMS 50Hz
	Weight Ambient temperature	Total: 213g. approx. Plunger: 42.5g 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 curves	These force curves show average performance only. In addition to normal manufacturing tolerances, deviations can be expected at some voltages due to the coil winding tolerances.

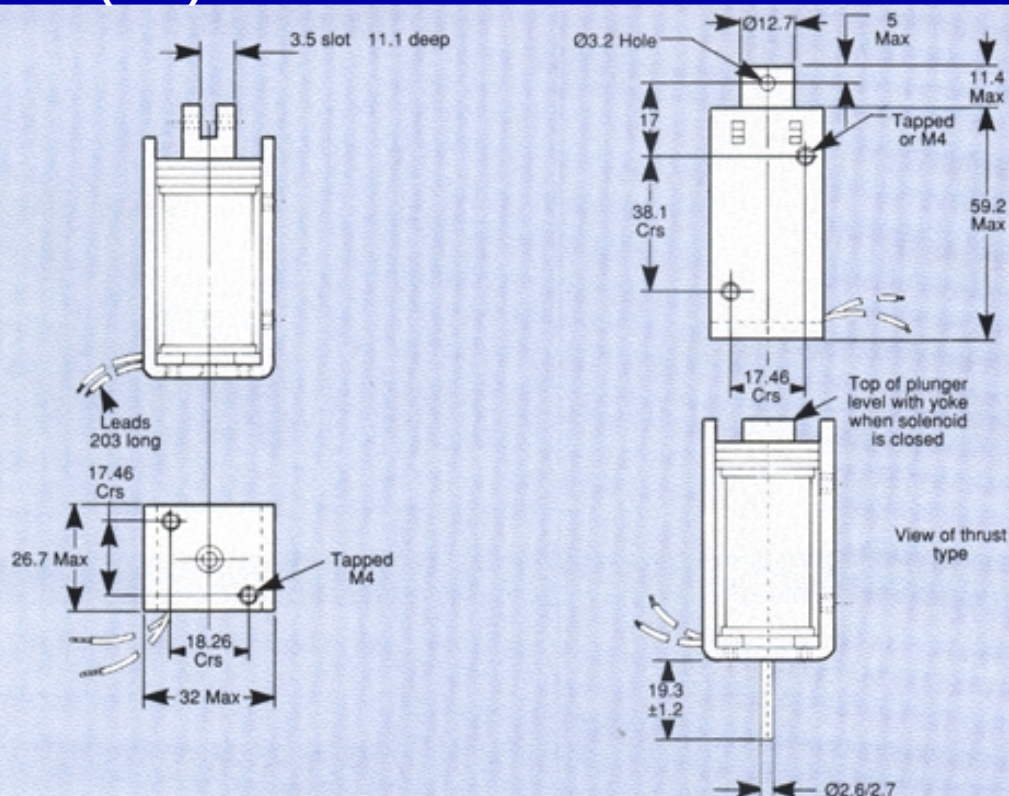
FORCE/STROKE CURVE



MAXIMUM ON TIME

	10%		25%		50%	
	1 cycle	Cont. cycle	1 cycle	Cont. cycle	1 cycle	Cont. cycle
AC	55 sec	40 sec	3 min	2 min	10 min	7 min
DC	50 sec	30 sec	2 min	1.25 min	5.75 min	4 min

DIMENSIONS (mm)



CODING

4 2		1 2 0		X X X			X X X			
TYPE/ACTION	AC	1								
	DC	6								
	Pull			1						
	Push			2						
	Standard			0						
	With push-off spring			1						
RATING										
COIL		Cont.		50%		25%		10%		
	24V AC 50Hz	0 1		0 2		0 3		0 4		
	50V AC 50Hz	0 8		0 9		1 0		1 1		
	115V AC 50Hz	1 5		1 6		1 7		1 8		
	220V AC 50Hz	2 3		2 4		2 5		2 6		
	230V AC 50Hz	3 9		4 0		4 1		4 2		
	115V AC 60Hz	1 9		2 0		2 1		2 2		
	220V AC 60Hz	2 7		2 8		2 9		3 0		
	230V AC 60Hz	4 3		4 4		4 5		4 6		
	6V DC	5 4		5 5		5 6		5 7		
	9V DC	5 8		5 9		6 0		6 1		
	12V DC	6 2		6 3		6 4		6 5		
	24V DC	7 2		7 3		7 4		7 5		
	28V DC	7 6		7 7		7 8		7 9		
	36V DC	8 0		8 1		8 2		8 3		
	50V DC	8 4		8 5		8 6		8 7		
	115V DC	8 8		8 9		9 0		9 1		
	220V DC	9 2		9 3		9 4		9 5		
	240V DC	9 6		9 7		9 8		9 9		
Standard Leads										0
Faston Tags										3

Other operating voltages and ratings available on request

We reserve the right to change without prior notice the information contained in this leaflet

Consumer Protection Act 1987 and Health & Safety at Work Act etc., 1974

Our products are designed, manufactured and tested to ISO 9001 quality standards. Some of them are capable of being operated by and capable of switching high voltages and/or currents. Care must therefore be exercised in the installation, protection and use of such products. If in doubt please contact your supplier or BLP Engineering Department immediately.



COMPONENTS

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