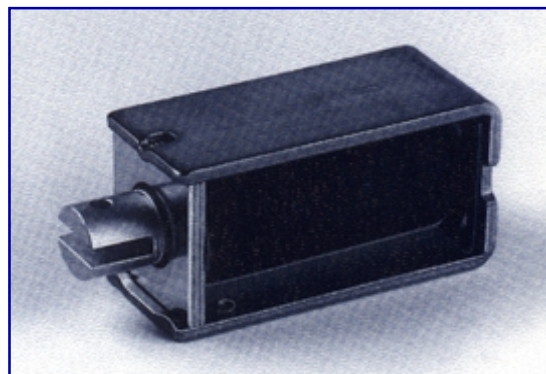


# Solenoids

**Series 42**  
**Small, high**  
**force/stroke ratio**  
**Solenoid**



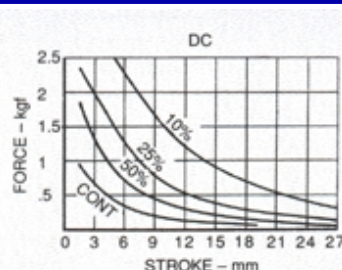
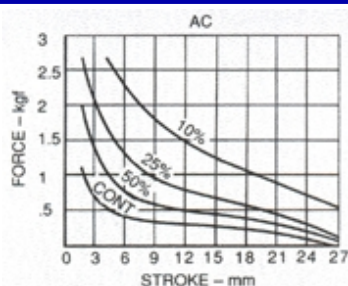
## GENERAL DESCRIPTION

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

## PERFORMANCE

		ITEM	SPECIFICATION
Electrical		Maximum on Time	See table below
		Closed power (continuous rating)	AC: 15VA      DC: 10W
		Maximum permissible voltage	240V
		Insulation	All coils tested to frame at 1500V RMS 50Hz
Mechanical		Weight	Total: 213g. approx.      Plunger: 42.5g
		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 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.

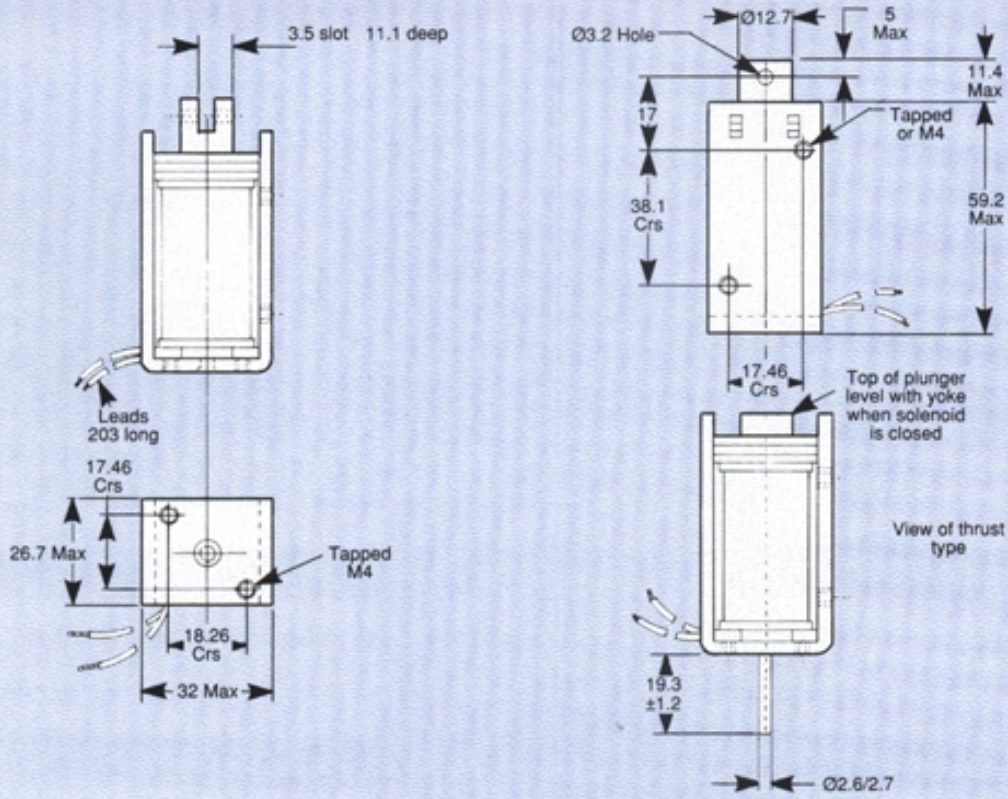
## FORCE/STROKE CURVE



## 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	
COIL	RATING										
		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

BLP Components Ltd., Exning Road, Newmarket, Suffolk CB8 0AX, England  
Tel: (01638) 665161 Fax: (01638) 660718

BLP is a trade mark of BLP Components Ltd