

## Description

These miniature solenoids are intended for short stroke high force applications. Both pull and thrust versions can be supplied.

The solenoid is fitted with a shading ring for quiet operation on AC supply.

## Ambient temperature

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.

**Maximum permissible voltage**  
240V.

## Insulation

Proof test at 1500V RMS 50Hz.

## Closed power (continuous rating)

AC: 4.3VA approximately.  
DC: 3.0W.

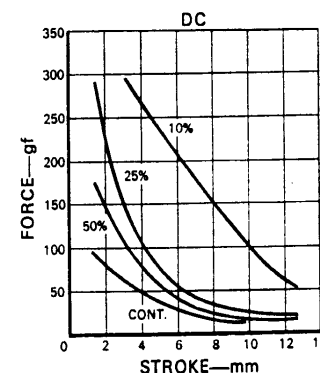
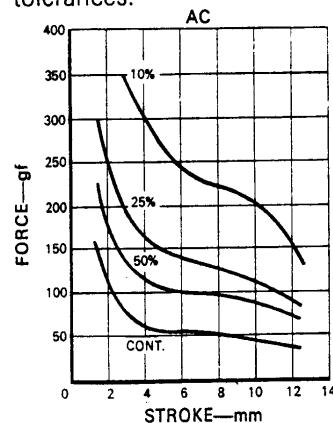
## Weight

Total: 47.5g.  
Plunger: 8.5g.

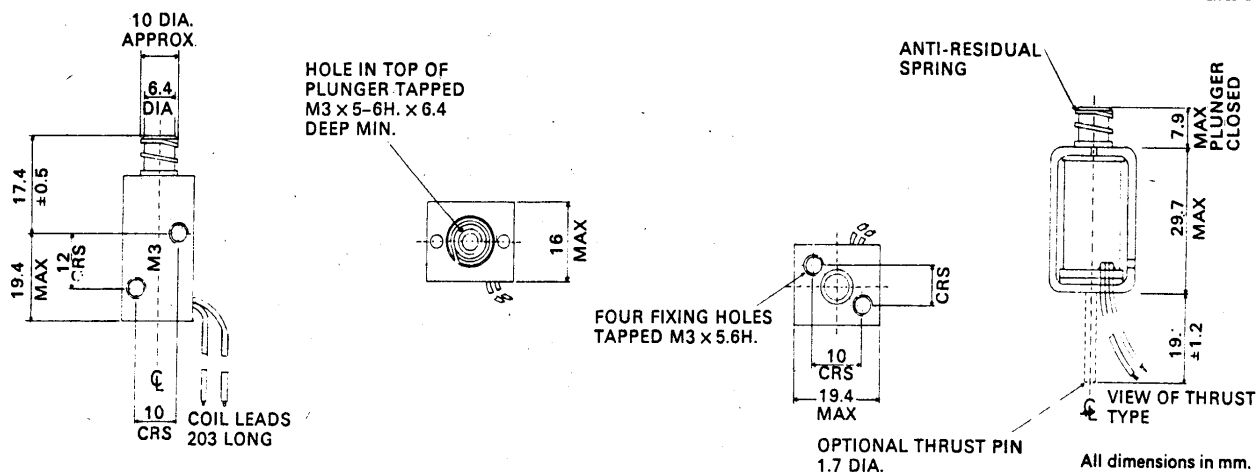
## Maximum on time

## 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.



|    | 10%     |               | 25%     |               | 50%     |               |
|----|---------|---------------|---------|---------------|---------|---------------|
|    | 1 cycle | Cont. cycling | 1 cycle | Cont. cycling | 1 cycle | Cont. cycling |
| AC | 10 sec  | 6 sec         | 45 sec  | 30 sec        | 2.5 min | 1.5 min       |



## Ordering Information

|                |                      |   |  |   |  |   |  |   |  |        |     |     |     |     |     |     |  |   |  |   |  |
|----------------|----------------------|---|--|---|--|---|--|---|--|--------|-----|-----|-----|-----|-----|-----|--|---|--|---|--|
| 4              |                      | 4 |  | 2 |  | 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 |     |     |     |     |     |     |  |   |  |   |  |
|                |                      |   |  |   |  |   |  |   |  | Cont.  |     | 50% |     | 25% |     | 10% |  |   |  |   |  |
| COIL           | 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 |  |   |  |   |  |
|                | 240V AC 50Hz         |   |  |   |  |   |  |   |  | 3 1    |     | 3 2 |     | 3 3 |     | 3 4 |  |   |  |   |  |
|                | 115V AC 60Hz         |   |  |   |  |   |  |   |  | 1 9    |     | 2 0 |     | 2 1 |     | 2 2 |  |   |  |   |  |
|                | 220V AC 60Hz         |   |  |   |  |   |  |   |  | 2 7    |     | 2 8 |     | 2 9 |     | 3 0 |  |   |  |   |  |
|                | 240V AC 60Hz         |   |  |   |  |   |  |   |  | 3 5    |     | 3 6 |     | 3 7 |     | 3 8 |  |   |  |   |  |
|                | 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 3 |     | 9 4 |     | 9 5 |  |   |  |   |  |
| 240V DC        |                      |   |  |   |  |   |  |   |  |        | 9 7 |     | 9 8 |     | 9 9 |     |  |   |  |   |  |
| Standard Leads |                      |   |  |   |  |   |  |   |  |        |     |     |     |     |     |     |  |   |  | 0 |  |
| Faston Tags    |                      |   |  |   |  |   |  |   |  |        |     |     |     |     |     |     |  |   |  | 3 |  |

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 high 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 any doubt please contact your supplier or PED Engineering Department immediately.

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