



## Series 122 Tubular Solenoid



### GENERAL DESCRIPTION

● DC operated

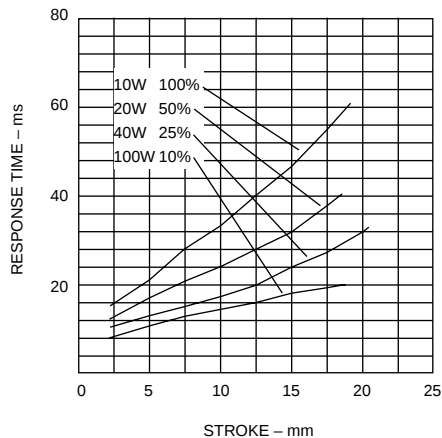
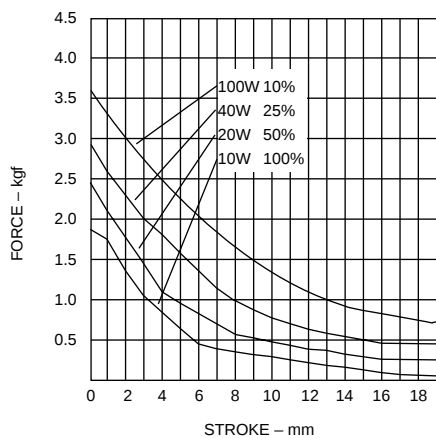
● Noise reduction feature

● Tubular solenoid

### PERFORMANCE

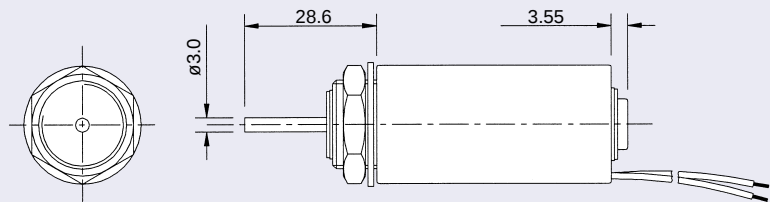
| Electrical | ITEM                              | SPECIFICATION                                                                                                                                                                                                               |
|------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | Closed power (continuous ratings) | 10.0W                                                                                                                                                                                                                       |
|            | Maximum permissible voltage       | 160V DC                                                                                                                                                                                                                     |
|            | Dielectric strength               | 1KV RMS 50Hz                                                                                                                                                                                                                |
| Mechanical | Insulation                        | 1KV                                                                                                                                                                                                                         |
|            | Weight                            | Total: 178g      Plunger: 43g                                                                                                                                                                                               |
|            | Ambient temperature               | The information given on this page is based on a working temperature of 20°C.                                                                                                                                               |
|            | Force/stroke curve                | This force stroke curve shows average performance only with coil at ambient temperature.<br>In addition to normal manufacturing tolerances, deviations can be expected at some voltages due to the coil winding tolerances. |

### FORCE/STROKE CURVE AND RESPONSE TIME



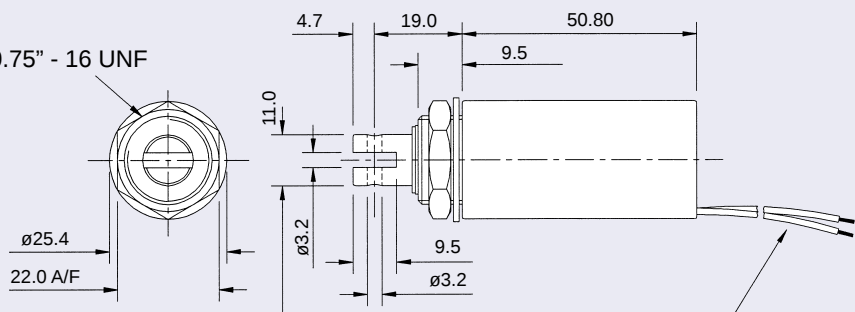
DIMENSIONS (mm)

Push type - shown energised



Pull type - shown energised

Thread: 0.75" - 16 UNF



Leads: 24 AWG UL1007  
Length: 155.0 minimum

COIL DATA

| Pull Type           | Push Type       | Resistance (20°C)<br>Ω ±10% | Cont. (100%)<br>Vdc | 50%<br>Vdc | 25%<br>Vdc | 10%<br>Vdc |
|---------------------|-----------------|-----------------------------|---------------------|------------|------------|------------|
| 122 420 610 540     | 122 420 620 540 | 3.6                         | 6                   | 8.5        | 12         | 19         |
| 122 420 610 620     | 122 420 620 620 | 14.4                        | 12                  | 17         | 24         | 38         |
| 122 420 610 720     | 122 420 620 720 | 57.6                        | 24                  | 34         | 48         | 76         |
| Watts at 20°C       |                 |                             | 10                  | 20         | 40         | 100        |
| Max. on time (Secs) |                 |                             | ∞                   | 360        | 32         | 8          |

Other voltages available on request

Duty cycle (%) =

“ON” time

“ON” time + “OFF” time

x 100%

