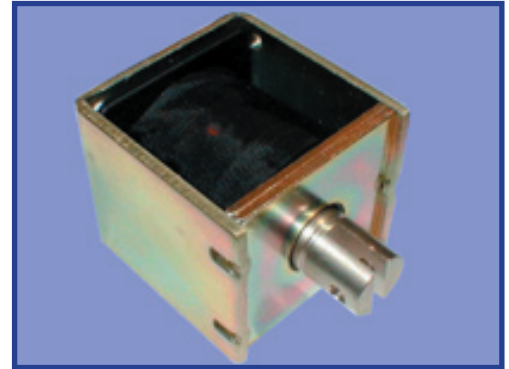


Solenoids

Series 43 high force/stroke ratio solenoid



GENERAL DESCRIPTION

Heavy Duty

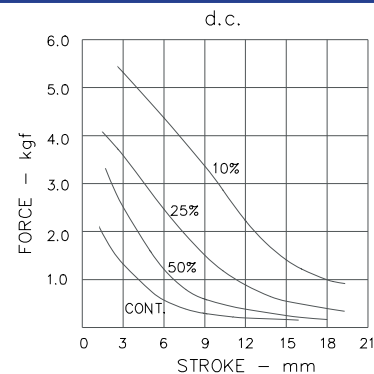
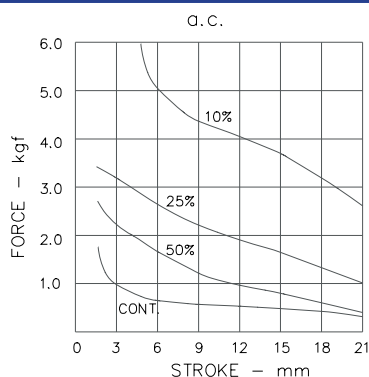
Pull & thrust versions

Shading ring for quiet AC operation

PERFORMANCE

| | Item | Specification |
|------------|---|---|
| ELECTRICAL | Maximum Ontime | See table below |
| | Closed power (continuous rating) | AC: 20VA DC: 12W |
| | Maximum permissible voltage | 240V |
| | Insulation | All coils tested to frame at 1500V RMS 50Hz |
| MECHANICAL | Weight | 425g Plunger: 49g |
| | Ambient temperature Force/Stroke curve | The information given on this page is based on room temperature of 20 C allowing for a nominal 75 C temperature rise in coil. 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 CURVES & ON TIME

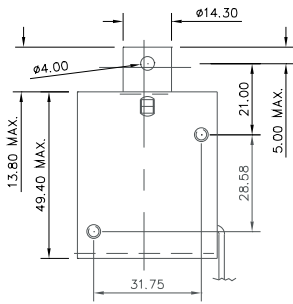


MAXIMUM ON TIME

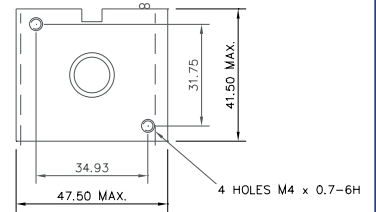
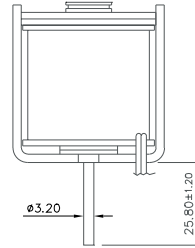
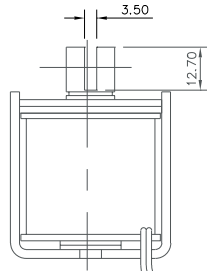
| | 10% | | 25% | | 50% | |
|----|---------|-------------|----------|--------------|----------|---------------|
| | 1 cycle | Cont. cycle | 1 cycle | Cont cycling | 1 cycle | Cont. cycling |
| AC | 65 sec | 5 sec | 7.75 min | 1.25 min | 14.5 min | 2 min |
| DC | 55 sec | 35 sec | 3.5 min | 2 min | 7 min | 4.25 min |

DIMENSIONS (mm)

PULL TYPE - SHOWN ENERGISED

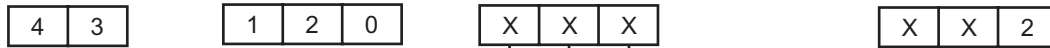


PUSH TYPE - SHOWN ENERGISED



LEADS 203 LONG

CODING



| | |
|----------------------|---|
| AC | 1 |
| DC | 6 |
| Pull | 1 |
| Push | 2 |
| STANDARD | 0 |
| With Push Off Spring | 1 |

| COIL | COIL | | | |
|--------------|-------|-----|-----|-----|
| | Cont. | 50% | 25% | 10% |
| 24V AC 50 Hz | 01 | 02 | 03 | N/A |
| 50V AC 50Hz | 08 | 09 | 10 | 11 |
| 115V AC 50Hz | 15 | 16 | 17 | 18 |
| 220V AC 50Hz | 23 | 24 | 25 | 26 |
| 230V AC 50Hz | 39 | 40 | 41 | 42 |
| 115V AC 60Hz | 19 | 20 | 21 | 22 |
| 220V AC 60Hz | 27 | 28 | 29 | 30 |
| 230V AC 60Hz | 43 | 44 | 45 | 46 |
| 6V DC | 54 | N/A | N/A | N/A |
| 9V DC | 58 | 59 | 59 | 60 |
| 12V DC | 62 | 63 | 64 | 65 |
| 24V DC | 72 | 73 | 74 | 75 |
| 28V DC | 76 | 77 | 78 | 79 |
| 36V DC | 80 | 81 | 82 | 83 |
| 50V DC | 84 | 85 | 86 | 87 |
| 115V DC | 88 | 89 | 90 | 91 |
| 220V DC | 92 | 93 | 93 | 94 |
| 240V DC | 96 | 97 | 98 | 99 |

| | |
|----------------|---|
| Standard Leads | 0 |
| Faston Tags | 3 |



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