

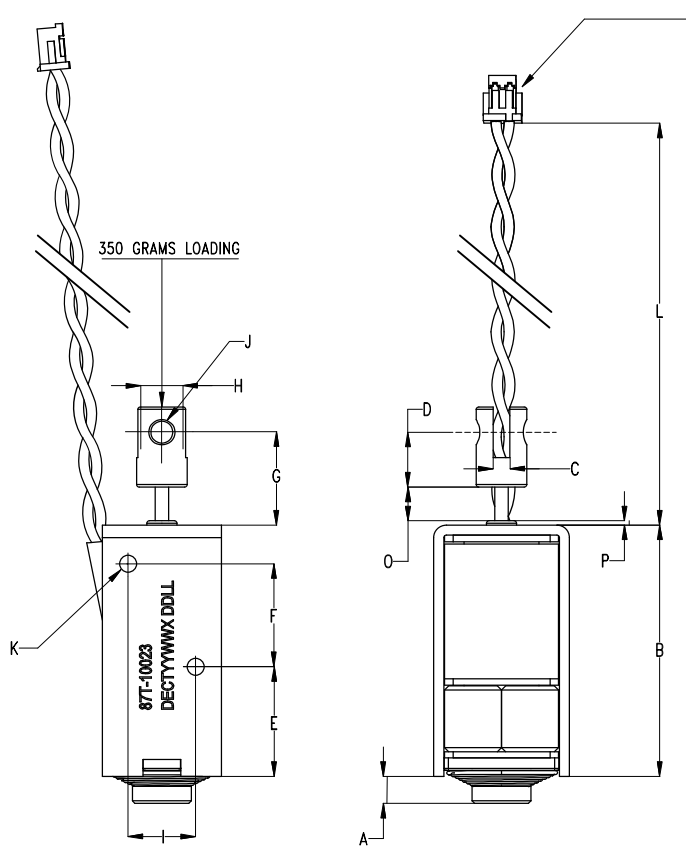
SOLENOID PRODUCT SPECIFICATION

| PART No. | VOLTAGE | DUTY CYCLE | POWER (W) | CURRENT (A) | DCR (Ω) * |
|--------------|---------|---------------|-----------|-------------|-----------|
| DSMS-0730-24 | 24 VDC | 2%, 45msec On | 35 | 1.5 | 16 |
| DSMS-0730-18 | 18 VDC | 2%, 45msec On | 34 | 1.92 | 9.4 |
| DSMS-0730-12 | 12 VDC | 2%, 45msec On | 32 | 2.67 | 4.5 |
| DSMS-0730-09 | 9 VDC | 2%, 45msec On | 30 | 3.35 | 2.7 |
| DSMS-0730-05 | 5 VDC | 2%, 45msec On | 30 | 5.9 | 0.85 |

* OPERATION: POWER TO PUSH AND RELEASE, BUILT-IN RETURN SPRING.

* DCR VALUES ARE ±10% AT 25°C
 * WEIGHT ARE 38 GRAMS ±10%

1. MECHANICAL DIMENSIONS :



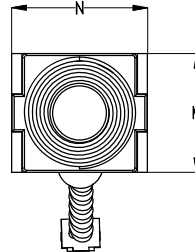
Connector : J.S.T
 HOUSING : ZHR-2
 CONTACT PIN : SZH-002T-P0.5
 CABLE : AWG 28 UL 1007

UNIT : mm.

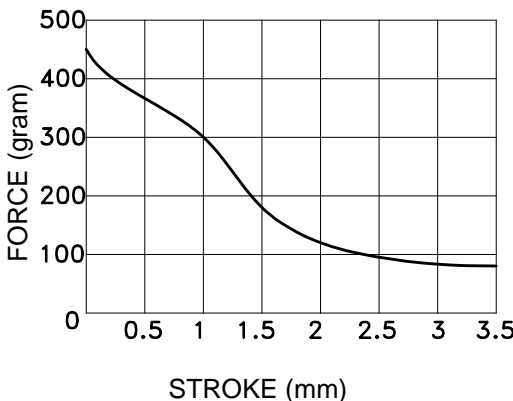
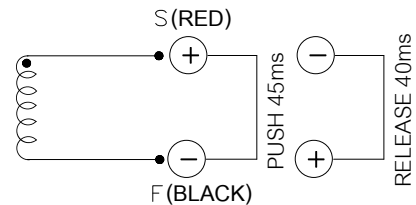
- A = 3.40 ± 0.2
 - B = 30.00 ± 0.25
 - C = 2.00 ± 0.1
 - D = 6.50 ± 0.1
 - E = 13.20 ± 0.2
 - F = 12.20 ± 0.2
 - G = 10.5 ± 0.1
 - H = ø6.0 ± 0.1
 - I = 8.00 ± 0.1
 - J = ø2.6 ± 0.1
 - K = 4-M2.6x0.45
 - L = 180 MIN.
 - M = 14.00 ± 0.2
 - N = 16.00 ± 0.2
 - O = 3.50 ± 0.1
 - P = 0.50 ± 0.1
- UNLESS TOLERANCES.

- X.X = ±0.2
- X.XX = ±0.1
- ANGLES = ±1°

EXTENT POSITION.



2. SCHEMATIC AND CONSTRUCTION :



| TEST CONDITION | FORCE TEST |
|--|---|
| 0 Vdc. | 450 GRAMS MIN. (MAGNET HOLDING WITHOUT SPRING) |
| NOMINAL VOLTAGE @25°C, 45±10ms PULSE WIDTH. | 350 GRAMS MIN. (PLUNGER PULL-IN FORCE) |
| NOMINAL VOLTAGE @25°C, 40±5ms PULSE WIDTH. | 350 GRAMS LOADING (DURING PLUNGER RELEASE) |

* NOMINAL OPERATION DUTY CYCLE: POWER ON 40ms / OFF 2 SEC

INSULATION MATERIALS: UL CONSTRUCTION, CLASS B 130°C
 LIFE EXPECTANCY: 100K CYCLES OPERATIONS

| LAYER TEST | IR. @500 Vdc. | HI-POT |
|-------------------|---------------|---------------|
| (S-F) 500Vp. MIN. | COIL TO FRAME | @50/60Hz.,2mA |
| TEST ONLY COIL | 50 MOHM MIN. | COIL TO FRAME |
| | | 1200Vac.,1s |