

SOLENOID PRODUCT SPECIFICATION

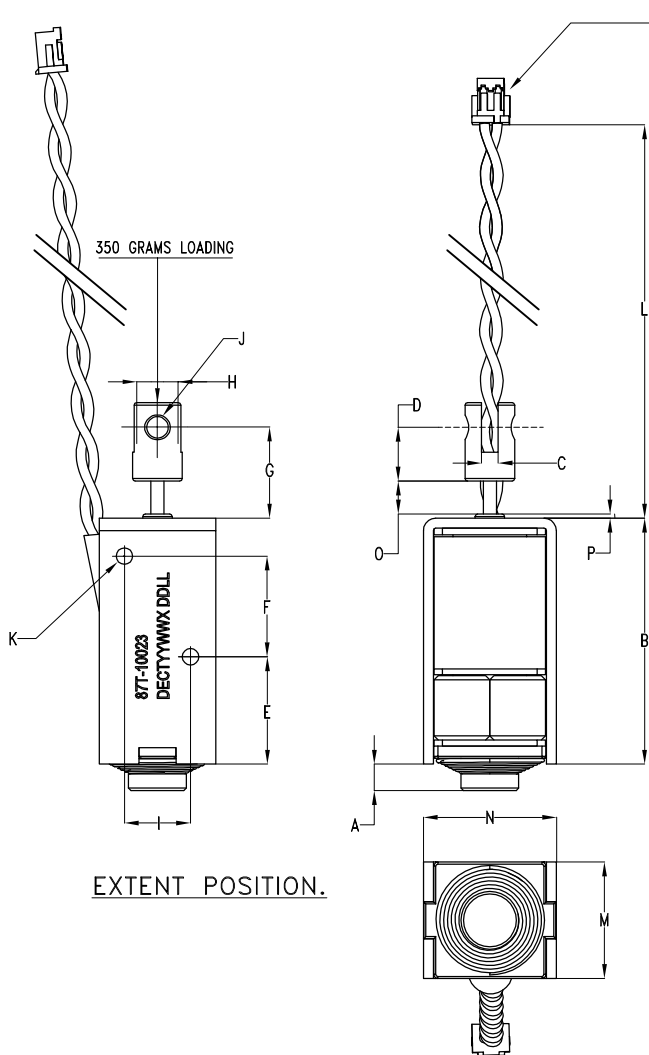
PART No.	VOLTAGE	DUTY CYCLE	POWER (W)	CURRENT (A)	DCR (Ω) *
DSMS-0730-24	24 VDC	2%, 45msec On	35	1.5	16
DSMS-0730-18	18 VDC	2%, 45msec On	34	1.92	9.4
DSMS-0730-12	12 VDC	2%, 45msec On	32	2.67	4.5
DSMS-0730-09	9 VDC	2%, 45msec On	30	3.35	2.7
DSMS-0730-05	5 VDC	2%, 45msec On	30	5.9	0.85

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

* DCR VALUES ARE $\pm 10\%$ AT 25°C

* WEIGHT ARE 38 GRAMS $\pm 10\%$

1. MECHANICAL DIMENSIONS :



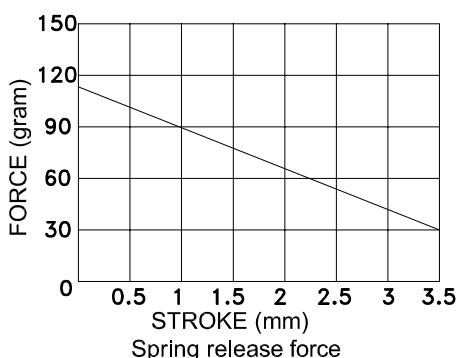
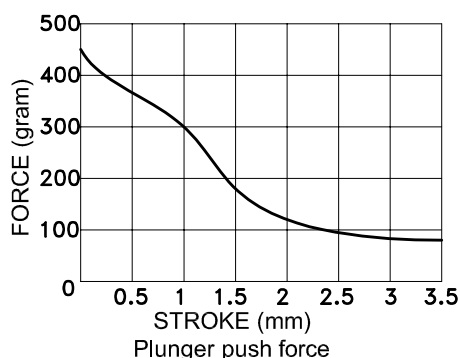
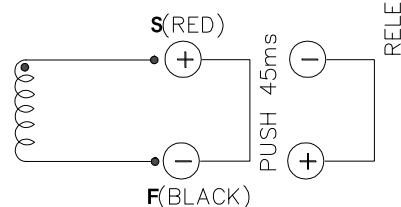
Connector : J.S.T
HOUSING : ZHR-2
CONTACT PIN : SZH-002T-P0.5
CABLE : AWG 28 UL 1007

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 = $\phi 6.0 \pm 0.1$
I = 8.00 ± 0.1
J = $\phi 2.6 \pm 0.1$
K = $4-M2.6 \times 0.45$
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 = $\pm 1^{\circ}$

2. SCHEMATIC AND CONSTRUCTION :



TEST CONDITION	FORCE TEST
0 Vdc.	450 GRAMS MIN. (MAGNET HOLDING WITHOUT SPRING)
NOMINAL VOLTAGE @25°C, 45 $\pm$ 10ms PULSE WIDTH.	350 GRAMS MIN. (PLUNGER PULL-IN FORCE)
NOMINAL VOLTAGE @25°C, 40 $\pm$ 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