hb-1750, hysteresis brake

model | coil number | stock code | min. torque at rated current (oz in) | rated current (mA) | resistance ±10% @ 25°C (ohms) | voltage (vdc) | nominal power (watts) | maximum speed (RPM) | kinetic power ratings | de-energized drag torque @ 1000 RPM (oz in) | external inertia (lb in s²) | torque to inertia ratio (rad/s²)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
1 (90 vdc) | 004424 | 1750 | 149 | 604 | 90 | 13.4 | 6.000 | 1.200 | 350 | 13 | 5.28 x 10² | 2.070
2 (24 vdc) | 004416 | - | 500 | 52 | 26 | 13 | - | - | - | - | - | -
3 (12 vdc) | - | - | - | - | - | - | - | - | - | - | - | -

2x 22 awg teflon lead wire
18" long min.
one red, one black

φ3.000 b.c.
3x 1/4-20 unc min.
- 2b .50 min.
equally spaced

3 dimensional view
scale 1:4

material:
unlesst otherwise specified:
dimensions are in inches,
diameters concentric: .003 tr,
faces perpendicular: .003
interpretation per asme y14.5m-1994

remove all burrs and break sharp edges.
sharp edges .002-.010 x .45°; all inside corners to be .02 r max.
tolerances:

- xx ± .01
- frac. ± 1/64
- xxx ± .002
- ang. ± 1°
surface finish 125 rms max. u.o.s.

magtrol inc.
70 gardenville pkyt, w.
buffalo, new york 14224-1322

this drawing and specification contain proprietary information to magtrol inc. any disclosure or reproduction of this document without written authorization from magtrol inc. is expressly prohibited.

solid model available