\oplus \oplus 1.50in (38.10mm) 2.51in (63.75mm) Top View \oplus \oplus 1.50in (38.10mm) 0.20in (5.08mm) Front View 5.80in (147.32mm) 0.20in 8.58in (5.08mm) (217.93mm) 0.19in (4.83mm) 2.58in 2.19in (65.53mm)(55.63mm) 2.13in (54.10mm) 2.51in (63.75mm) **Bottom View** \oplus \oplus 2.51in (63.75mm) Brass ultraserts 6-32 x 0.25 2.01in Screw 6-32 x 7/8 PH PAN s/s (51.05mm) 4 places \bigcirc Note: Actual strain relief position may vary from specifications.

SPECIFICATIONS

ELECTRICAL

SUPPLY VOLTAGE
CENTER VOLTAGE
SUPPLY CURRENT
OUTPUT CURRENT
EFFECTIVE OUTPUT
OUTPUT TOLERANCE

5.0V DC
2.5V DC
2.5V DC
2.6V DC
42V DWA max/axis
0V – 5V DC
42W

MECHANICAL

OPERATING TRAVEL 40° (20° from center) CENTERING Single spring,

omnidirectional

BREAKOUT FORCE 0.544Nm
OPERATING FORCE 0.653Nm
MAXIMUM FORCE 1.306Nm
OPERATING TEMP -40°C to +85°C
LIFE EXPECTANCY 10 million operations

WIRING

RED Supply voltage
BLACK Ground
BLUE X-Axis
YELLOW Y-Axis
ORANGE Switch 1
VIOLET Switch 2
WHITE Switch common

RoHS compliant



MS-42N20S000

Series III – 2 Axes, Stock Grip, 2 Top Buttons

PROPRIETARY AND CONFIDENTIAL

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