

## 2. SMALL SERVOMOTORS

Small servomotors provide a maximum torque of up to 4Nm, they are compact, lightweight, extremely durable and can be used for variety of applications including controlling air dampers, gas and oil fuel valves. The housing is made from high impact Acrylonitrile Butadiene Styrene (ABS) for lighter weight and easier installation.

ATEX approved version with metal housing is also available for use in hazardous environments where explosion proof equipment is necessary.

The following small servomotors are available:

Voltage – V AC	Frequency	Supplied Wiring Glands	Part #
230	50Hz	2x PG11 Metal Glands	MM10005
110	60Hz	2x M20 - 1/2" NPSM Adaptors	MM10005/A
24	50Hz	1x M20 - 1/2" NPSM and Blanking Plug	MM10005/C
24	60Hz	1x M20 - 1/2" NPSM and Blanking Plug	MM10005/D
110	50Hz	2x M20 - 1/2" NPSM Adaptors	MM10005/E

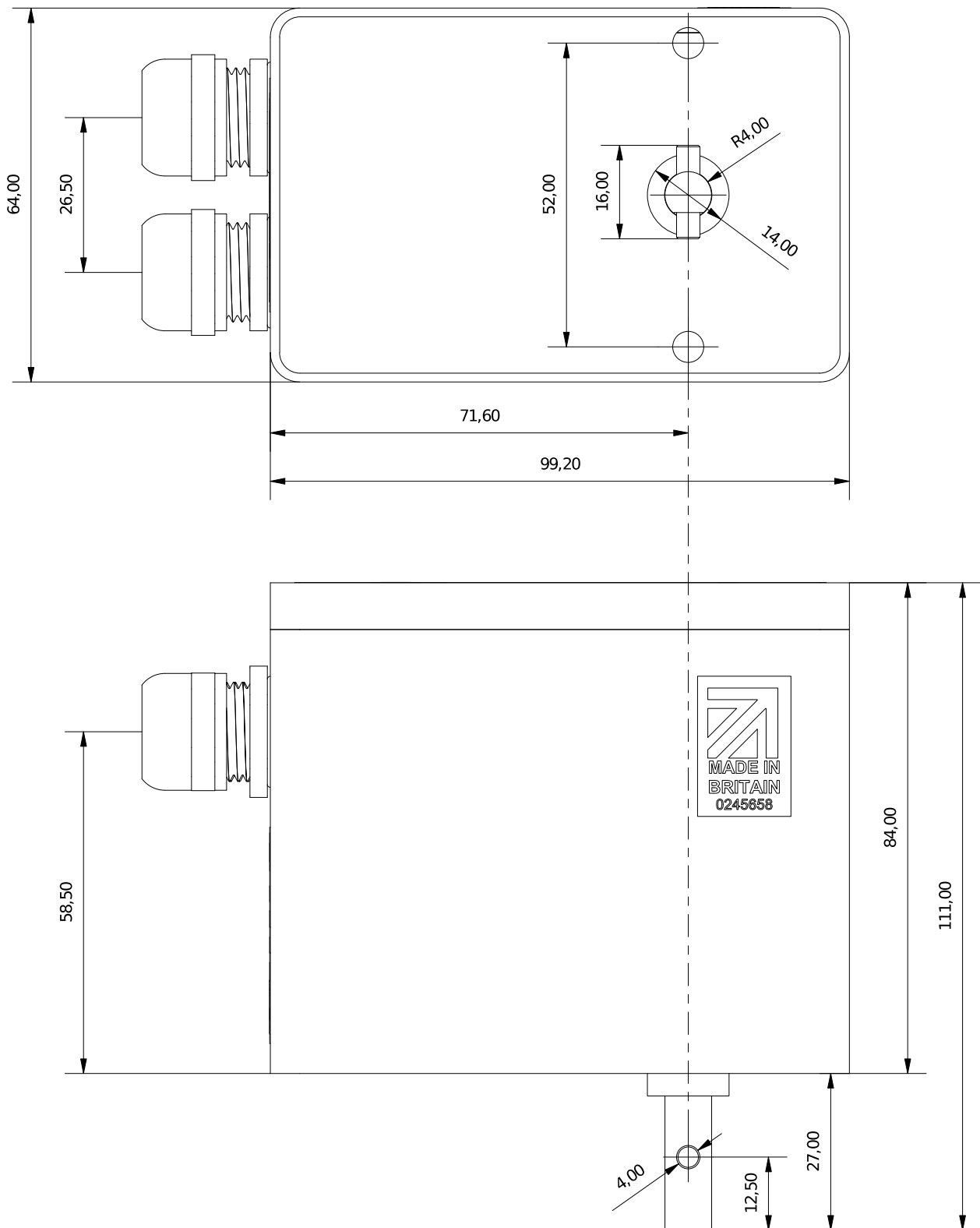
### 2.1. Specifications

Supply voltage	AC - Dependant on part number
Output torque at shaft	4Nm (3ft lbs)
Rotation angle	360°
Operation angle	-6° to 96°
Accuracy	Up to 0.1°, 900 positions available
Max. rated power	3W
Min. operation temperature	0°C (32° F)
Max. operation temperature	60° C (140° F)
Ingress Protection rating	IP54, NEMA3
Mounting angle	360°
Positioning	MM drive
Drive motor	Synchronous
Body material	High Impact Polycarbonate
Gear material	Polyoxymethylene
Plates material	Aluminium
Screws material	Stainless Steel
Dimension (LxWxH)	100 x 84 x 65.5 mm
Wiring connection (230V)	PG11 gland
Wiring connection (24V, 110V)	½" conduit adaptor and blanking plug
Lid screws	4 x M4 x10 Stainless steel socket head
Lid screw torque	0.2 to 0.4 Nm
Body mounting screws	2 x M5 x 25 Stainless socket head
Body mounting torque	1.2 – 2.6 Nm
Shipped Weight	0.55 kgs. (1.2 lbs)

## 2.2. External View



### 2.3. Dimensions



All dimension in millimetres: 1 inch = 25.4 mm