

## Boxed Magnet

### Function

- Energise-to-hold and energise-to-release versions
- DC, or AC supply with rectifier plug

### Construction

- Fully sealed assembly
- Monoblock IP68 pole faces
- High temperature, zero halogen cable
- Die-cast aluminium box, grey finish painted

### Applications

- Suitable for marine and wet environments
- Fire doors, shutter, grills, smoke vents, access security

### Standards

- Electromagnet designed and tested to VDE 0580
- Manufactured to ISO 9001



*Fig. 1 Boxed Magnet*

Performance Table	Energise to hold, type GMH GMHX050 <sup>(1)</sup>	Energise-to-release, type GMP GMPX050 <sup>(1)</sup>
Holding force, N <sup>(2)</sup>	640	500
Supply voltage, DC	24v DC other voltages on request	
Duty rating	100% (S1)	Implulse (S2)
Power consumption, Watts P <sub>20</sub>	9.8	15.3
Remanence, N	Up to 35	Up to 10

### Table Notes

- Further details of these component magnets available upon request
- Using armature plate GZZE050, load applied to armature screw, normal to the pole faces

### Table Basis

The terms used are defined in Technical Explanation GXX.

Magnetic forces F<sub>M</sub> stated are based on

- 24v 100% duty coil
- working in the Hot condition
- 90% of the rated voltage
- 35°C ambient temperature
- armature in horizontal attitude
- heat-insulated mounting

Duty Rating ED, % of energised time/cycle:

$$\frac{t(\text{on})}{t(\text{on}) + t(\text{off})} \times 100$$

100% : continuous duty

Rated Power P<sub>20</sub> stated with coil at 20°C

Values given may vary by up to 10% owing to inherent and manufacturing tolerances

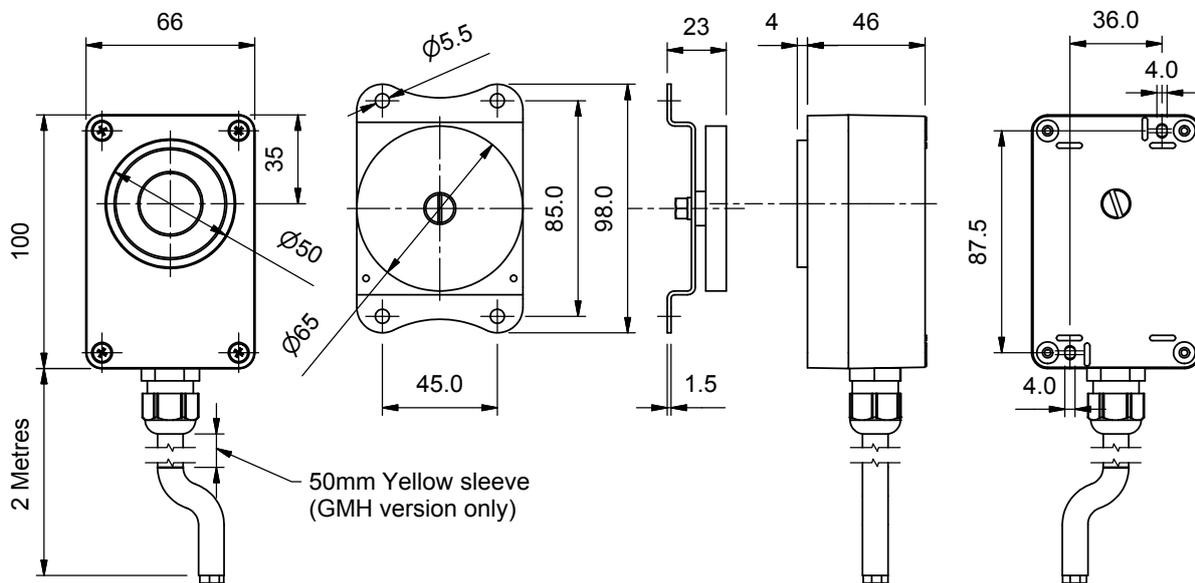


Fig. 2 Boxed Magnet dimensions

Order Codes	Product	Magnet	Voltage & Duty
Energise-to-hold boxed magnet	BMEH	GMHX050	24v 100%
Energise-to-release boxed magnet	BMER	GMPX050	24v 100%
Armature Assembly	ARM	GZZE065 ASSY	