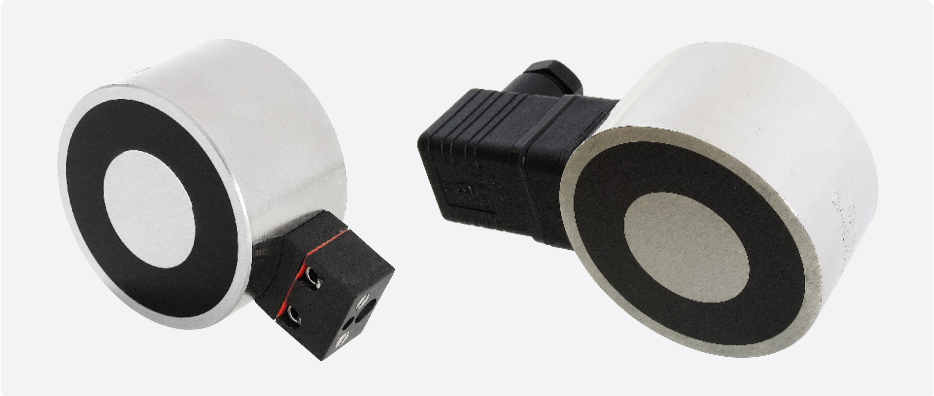
Electro-Holding Magnet: 65mm

Energise To Hold ElectroMagnet

Technical Data

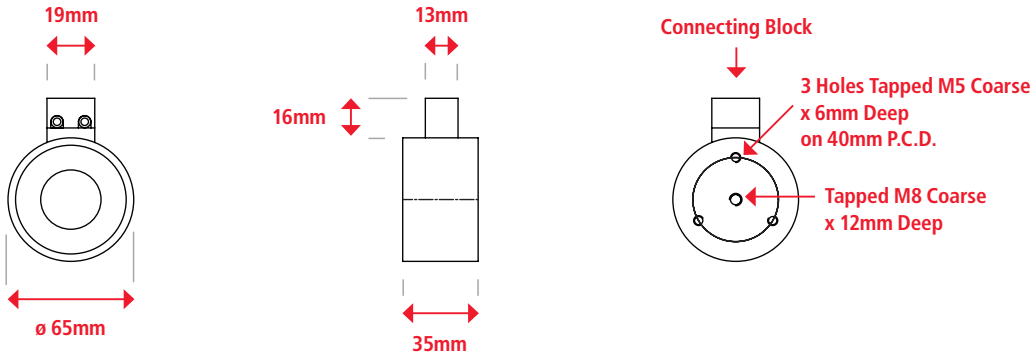
Mountings	Threaded holes in rear face
Finish	Bright nickel-plated with machined face
Weight	12V / 24V: 710g. 240V: 744g
Typical Holding Force	164.0kg
ED Rating	100%
IP Rating	20 - Two-pole connector 54 - Hirschmann connector
Standard Operating Voltage	12VDC M52176/12VDC 24VDC M52176/24VDC 240VAC M52176/240VA
Current	12V - 690mA 24V - 340mA 240V - 50mA
Typical Power	12V & 24V - 8.28W 240V - 10.7W
Connection Type	12VDC & 24VDC: Two-pole connector 240VAC: Hirschmann connector with Rectifier



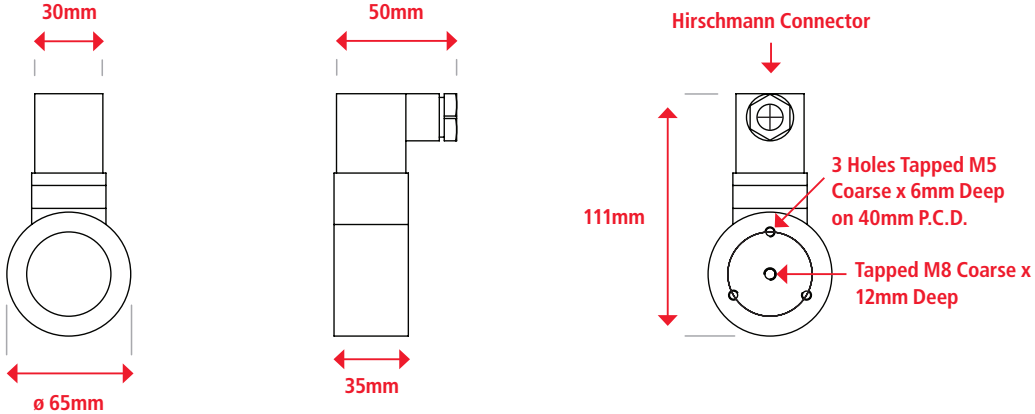
Recommended Armature Plate

Finish	Bright nickel-plated
Diameter	65mm
Height	8mm
Screw	M5
Part Number	M52171/65ARM
Weight	210g

12VDC/24VDC



240VAC



Atlas Way, Atlas North, Sheffield, S4 7QQ, England T +44 (0)114 225 0600 E info@eclipsemagnetics.com W www.eclipsemagnetics.com

Electro-Holding Magnet: 65mm

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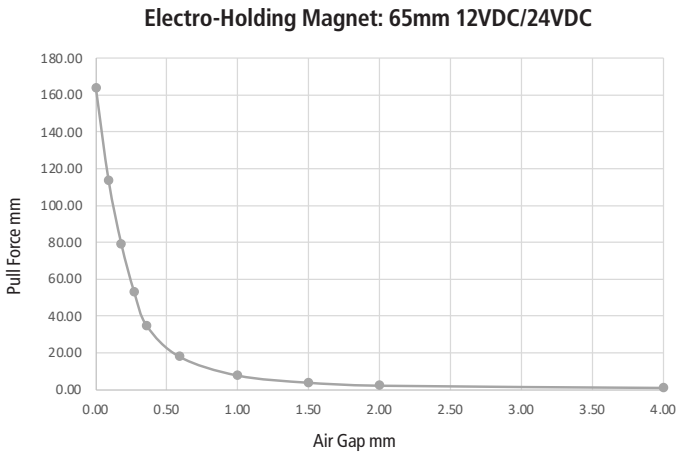
12VDC/24VDC

Air Gap (mm)	Pull Force* (kg)
0.00	164.00
0.09	113.70
0.18	79.20
0.27	53.30
0.36	34.70
0.59	18.00
1.00	7.80
1.50	3.90
2.00	2.30
4.00	1.10



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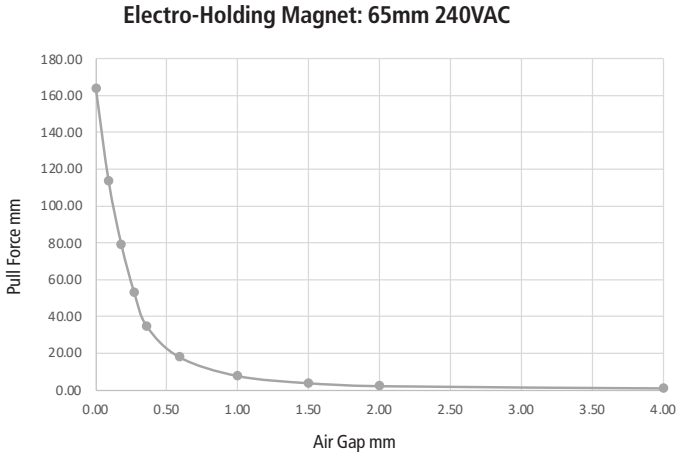

*** +/- 10% at room temperature**

To achieve the optimum pull force 100% contact area must be achieved using the recommended armature plate. The force will be affected if other material specifications, thicknesses and surfaces are used, or if the armature fails to make positive contact over the full diameter of the face of the magnet.

Where misalignment is likely to be an issue we recommend that an oversized armature plate is used to ensure 100% full contact, this however will reduce the stated pull force by approximately 10%.

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