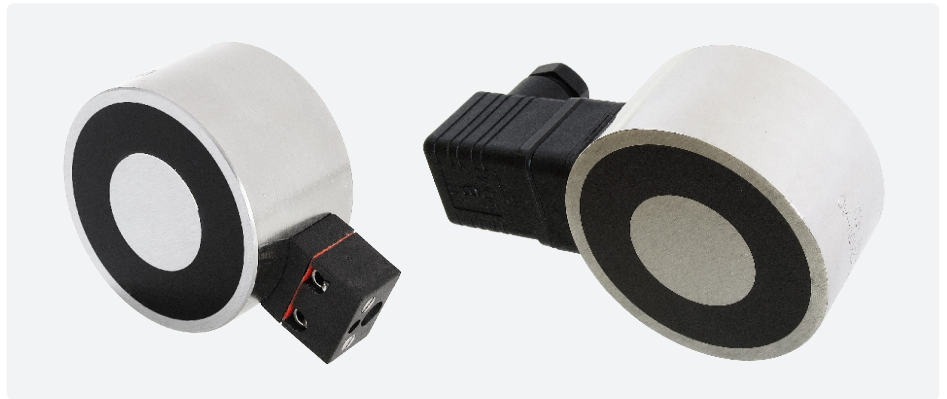


Electro-Holding Magnet: 50mm

Energise To Hold ElectroMagnet

Technical Data

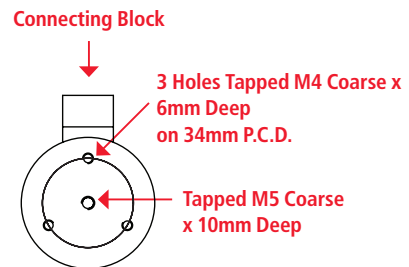
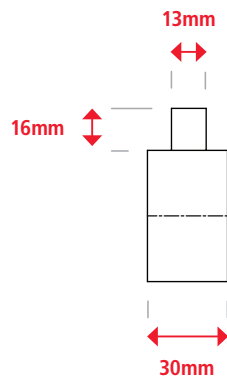
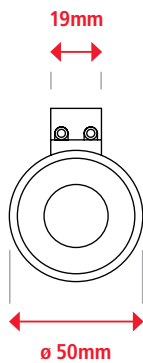
Mountings	Threaded holes in rear face
Finish	Bright nickel-plated with machined face
Weight	12V / 24V: 364g. 240V: 408g
Typical Holding Force	100.0kg
ED Rating	100%
IP Rating	20 - Two-pole connector 54 - Hirschmann connector
Standard Operating Voltage	12VDC M52175/12VDC 24VDC M52175/24VDC 240VAC M52175/240VA
Current	12V - 470mA 24V - 240mA 240V - 40mA
Typical Power	12V & 24V - 5.64 - 5.76W 240V - 8.56W
Connection Type	12VDC & 24VDC: Two-pole connector 240VAC: Hirschmann connector with Rectifier



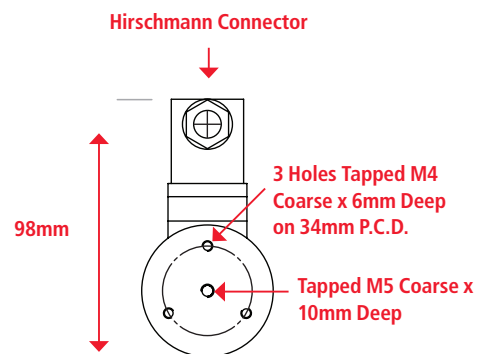
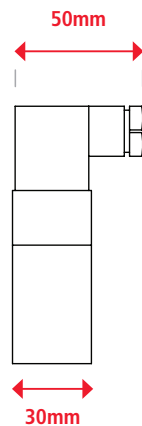
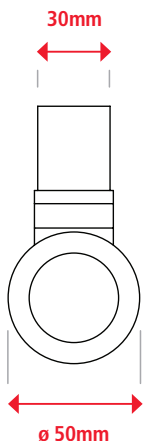
Recommended Armature Plate

Finish	Bright nickel-plated
Diameter	50mm
Height	6mm
Screw	M4
Part Number	M52171/50ARM
Weight	100g

12VDC/24VDC



240VAC

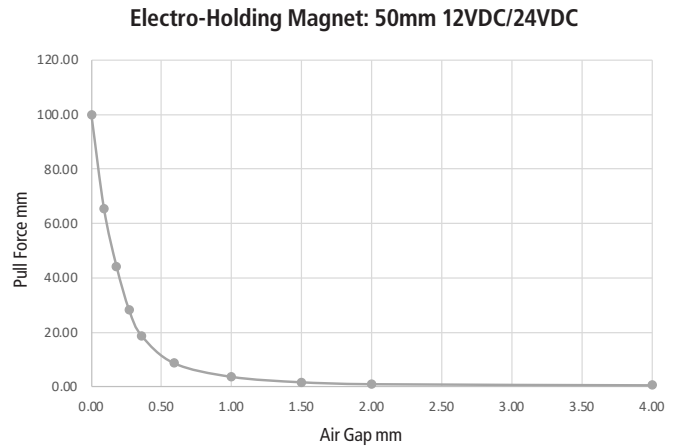


Electro-Holding Magnet: 50mm

Energise To Hold ElectroMagnet

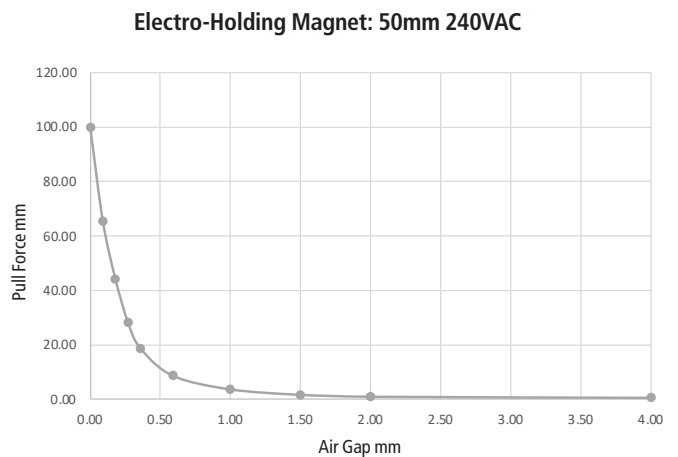
12VDC/24VDC

Air Gap (mm)	Pull Force* (kg)
0.00	100.00
0.09	65.50
0.18	44.20
0.27	28.20
0.36	18.70
0.59	8.70
1.00	3.70
1.50	1.70
2.00	1.00
4.00	0.60



240VAC

Air Gap (mm)	Pull Force* (kg)
0.00	100.00
0.09	65.50
0.18	44.20
0.27	28.20
0.36	18.70
0.59	8.70
1.00	3.70
1.50	1.70
2.00	1.00
4.00	0.60



* +/- 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%.