Electro-holding magnet
Energise to release - 50mm diameter
24VDC or 240VAC* Operating voltage

*via the Hirschmann connector with rectifier
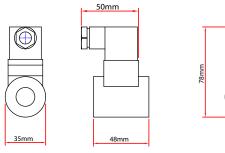

Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	250
0.09	91
0.18	51
0.27	32
0.36	23
0.59	17

* +/- 10%

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%.
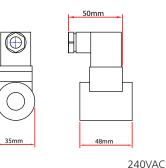
Description

Mountings	Central machined hole in rear face of magnet
Finish	Bright nickel plated with machined face
Product weight	24V - 874g
	240V - 880g

Technical Data

Typical holding force	500N
IP Rating	54
Standard operating voltage	24VDC (M52178/24VDC)
	240VAC (M52178/240VA)
Current	24V - 350mA
	240V - 40mA
Power consumption	8.5W
Duty cycle	S2
Ambient working temperature	35ºC

Connection type

24VDC	Hirschmann connector
240VAC	Hirschmann connector with rectifier

Recommended armature plate

Finish	Bright nickel plated
Diameter	50mm
Part No.	M52171/50ARM
Weight	100g

Dimensions

24VDC

240VAC

If you have any more questions, require technical assistance and would like a quotation, simply contact us.

www.eclipsemagnetics.com

While every effort has been made to ensure the accuracy of the information in this publication please note that specifications may change without notice.

ECLIPSE MAGNETICS

A world leader in magnetic technology

bsi. ISO 9001 Quality Management
FM31278

A Spear & Jackson Company