

Electro-holding magnet

Energise to release - 35mm diameter

24VDC or 240VAC * Operating voltage

Part numbers
M52177/24VDC
M52177/240VA

*via the Hirschmann connector with rectifier



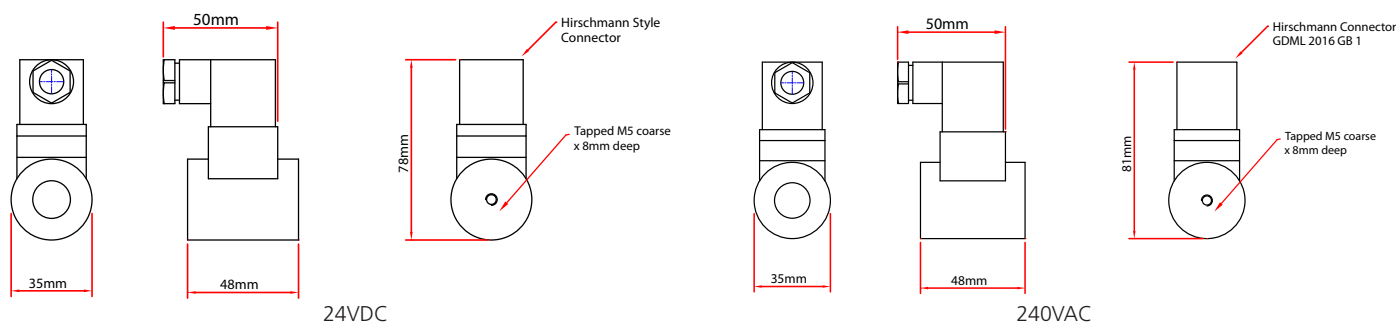
Pull gaps

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%.

Dimensions



Description

Mountings	Central machined hole in rear face of magnet
Finish	Bright nickel plated with machined face
Product weight	24V - 352g 240V - 354g

Technical Data

Typical holding force	250N
IP Rating	54
Standard operating voltage	24VDC (M52177/24VDC) 240VAC (M52177/240VA)
Current	24V - 240mA 240V - 50mA
Power consumption	5.5W
Duty cycle	S2
Ambient working temperature	35°C

Connection type

24VDC	Hirschmann connector
240VAC	Hirschmann connector with rectifier

Recommended armature plate



Finish	Bright nickel plated
Diameter	40mm
Part No.	M52171/40ARM
Weight	50g

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

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



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