Electro-holding magnet
Energise to hold - 25mm diameter

12VDC or 24VDC Operating voltage

Part numbers
M52172/12VDC
M52172/24VDC

Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	150
0.09	51
0.18	22
0.27	12
0.36	8
0.59	4
1.00	2

*** +/- 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%.

Description

Mountings	Threaded holes in rear face
Finish	Bright nickel plated with machined face
Product weight	66g

Technical Data

Typical holding force	150N
ED rating	100%
IP Rating	54
Standard operating voltage	12VDC (M52172/12VDC) 24VDC (M52172/24VDC)
Current	12V - 180mA 24V - 90mA
Power consumption	2.16W

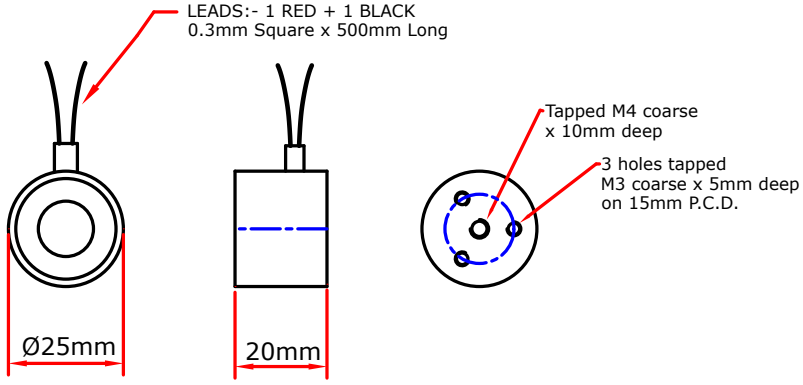
Connection type

12VDC and 24VDC	Free leads (500mm long)

Recommended armature plate

Finish	Bright nickel plated
Diameter	25mm
Height	3mm
Screw	M3
Part No.	M52171/25ARM
Weight	15g

Dimensions



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

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