

Electro-holding magnet

Energise to hold - 65mm diameter

12VDC, 24VDC or 240VAC * Operating voltage

Part numbers
M52176/12VDC
M52176/24VDC
M52176/240VA

*via the Hirschmann connector with rectifier



Two-pole connector

Hirschman connector

Pull gaps

Air gap (mm)	Magnetic Pull* (N)
0.00	1000
0.09	655
0.18	442
0.27	282
0.36	187
0.59	87
1.00	37
1.59	24
2.00	19
4.00	6

* +/- 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 12V & 24V - 710g
240V - 744g

Technical Data

Typical holding force 1670N
ED rating 100%
IP Rating 20 - two-pole connector
54 - Hirschman connector
Standard operating voltage 12VDC (M52176/12VDC)
24VDC (M52176/24VDC)
240VAC (M52176/240VA)
Current 12V - 690mA
24V - 340mA
240V - 50mA
Power consumption 12V & 24V - 8.20W
240V - 10.70W

Connection type

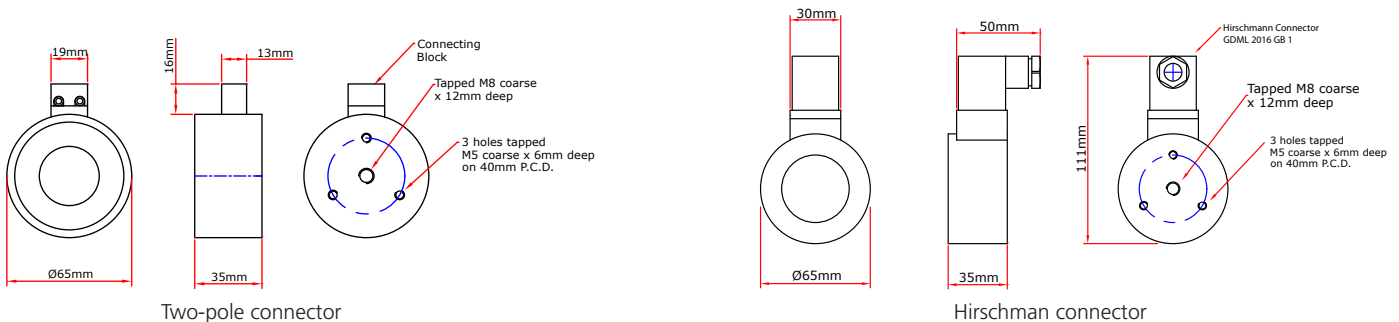
12VDC and 24VDC Two-pole connector
240VAC Hirschman connector with rectifier

Recommended armature plate



Finish Bright nickel plated
Diameter 65mm
Height 8mm
Screw M5
Part No. M52171/65ARM
Weight 210g

Dimensions



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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