

Energise-to-Release Magnet: 35mm



Technical Data

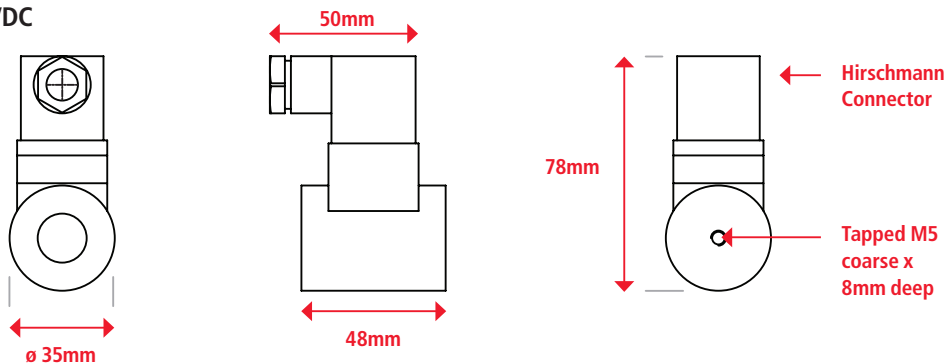
Mountings	Central machined hole in rear face of magnet
Finish	Bright nickel-plated with machined face
Weight	24VDC: 352g 240VAC: 354g
Typical Holding Force	23.0 kg
IP Rating	54
Standard Operating Voltage	24VDC M52177/24VDC 240VAC M52177/240VA
Current	24V - 240mA 240V - 50mA
Typical Power	24VDC: 5.28W 240VAC: 6.42W
Duty cycle	S2
Connection Type	24VDC: Hirschmann connector 240VAC: Hirschmann connector with rectifier



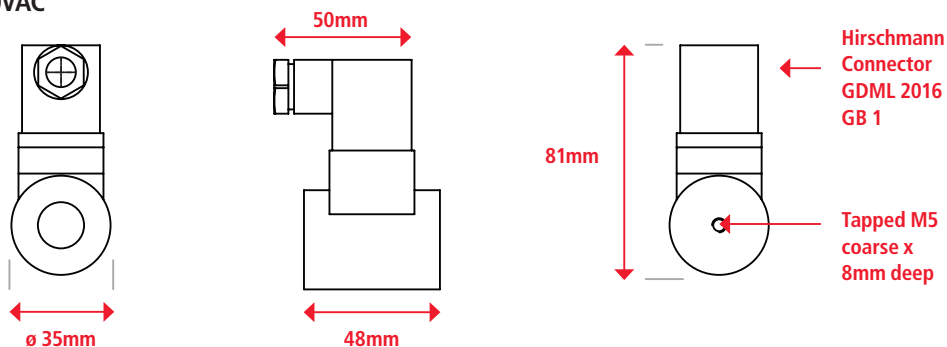
Recommended Armature Plate

Finish	Bright nickel-plated
Diameter	40mm
Height	5mm
Screw	M4
Part Number	M52171/40ARM
Weight	50g

24VDC



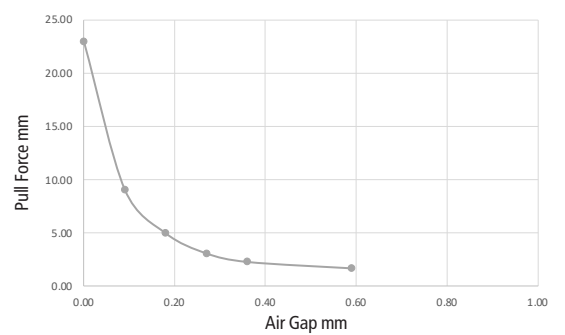
240VAC



Energise-to-Release Magnet: 35mm

24VDC/240VAC

Air Gap (mm)	Pull Force* (kg)
0.00	23.00
0.09	9.10
0.18	5.00
0.27	3.10
0.36	2.30
0.59	1.70



*** Expected performance variations.** The pull force of any energise-to-hold or energise-to-release magnet is not guaranteed and will vary according to the application, the power supply plus electrical circuit used, the environmental conditions, and also how hot the unit gets during operation. The values stated are typical maximum values at room temperature subject to an expected +/-10% variation. To achieve the optimum pull force, 100% contact area must be achieved; using the recommended armature plate is advised as the pull force is affected when other material specifications, thicknesses and surfaces are used, or if the armature fails to make full contact over the diameter of the magnet face. Where misalignment may be an issue, it is recommend that an oversized armature plate is used to ensure 100% contact, this however will reduce the stated pull force by approximately 10%. If being powered continuously for over two (2) hours, it is recommend that an energise-to-release magnet is used.

Energise-to-Release Magnet: 50mm



Technical Data

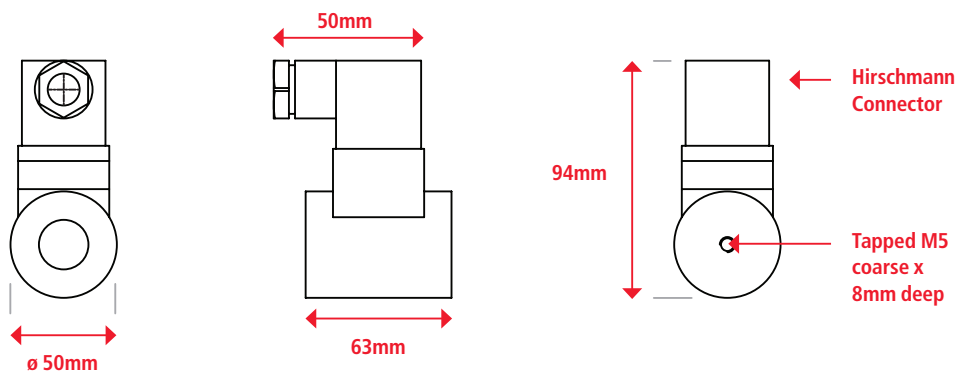
Mountings	Central machined hole in rear face of magnet
Finish	Bright nickel-plated with machined face
Weight	24VDC: 874g 240VAC: 880g
Typical Holding Force	55kg
IP Rating	54
Standard Operating Voltage	24VDC M52178/24VDC 240VAC M52178/240VA
Current	24VDC - 350mA 240VAC - 40mA
Typical Power	24VDC: 8.4W 240VAC: 8.56W
Duty cycle	S2
Ambient temperature	35°C
Connection Type	24VDC: Hirschmann connector 240VAC: Hirschmann connector with rectifier



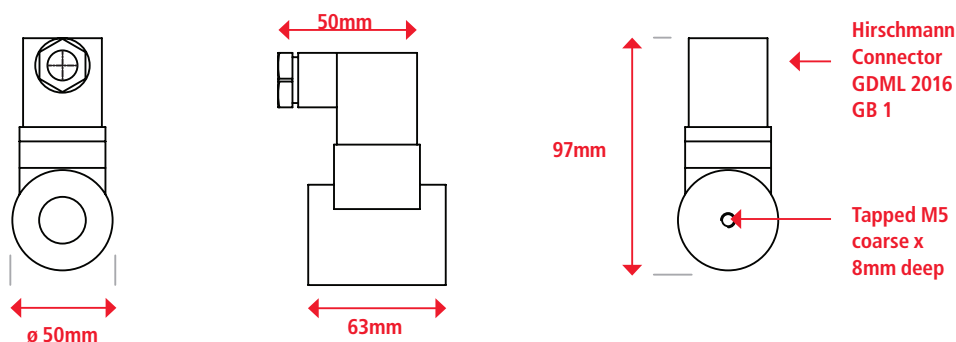
Recommended Armature Plate

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

24VDC



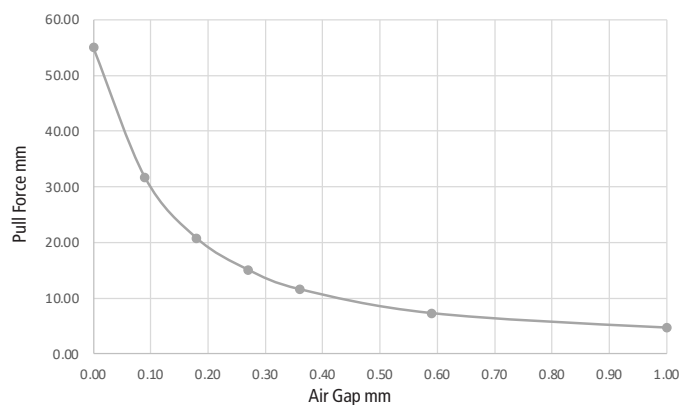
240VAC



Energise-to-Release Magnet: 50mm

24VDC/240VAC

Air Gap (mm)	Pull Force* (kg)
0.00	55.00
0.09	31.70
0.18	20.80
0.27	15.10
0.36	11.60
0.59	7.30
1.00	4.70
1.50	2.80



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