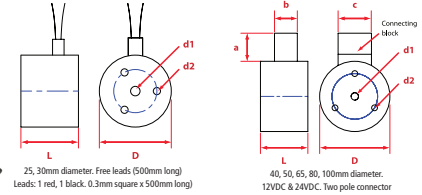
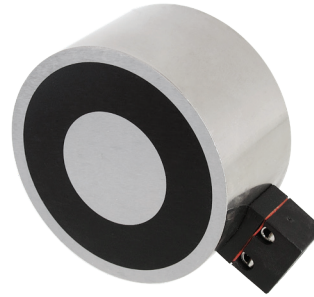


## Energize to Hold Power required to turn magnet ON. Power removed to turn magnet OFF.

- Sturdy bright nickel plated cylinder, passivated with body mounting
- High-quality permeable iron for low remanence
- Armature plates to suit

Operating Voltage 12VDC & 24VDC  
 Connector Options Flying leads, two-pole connector  
 Mounting Threaded holes in magnet rear face  
 Finish Bright nickel plated with machined face  
 ED Rating 100%  
 IP Rating 54 (20 for the two-pole connector)

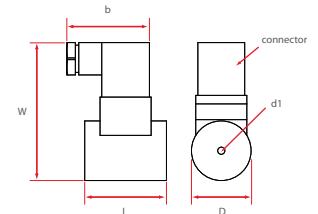


		Standard Operating Voltage				D	L	a	b	c	d1	d2	PCD	Pull at Zero Air Gap
METRIC		24VDC Product Number	Current mA	12VDC Product Number	Current mA	mm	mm	mm	mm	mm			mm	kg
Diameter mm	25	M52172/24VDC	90	M52172/12VDC	180	25	20	-	-	-	M4	M3	15	11.3
	30	M52173/24VDC	140	M52173/12VDC	280	30	24	-	-	-	M5	M3	18	25.3
	40	M52174/24VDC	230			40	27	16	13	19	M5	M4	26	57.5
	50	M52175/24VDC	240			50	30	16	13	19	M5	M4	34	109.7
	65	M52176/24VDC	340			60	35	16	13	19	M8	M5	40	167.7
IMPERIAL		24VDC Product Number	Current mA	12VDC Product Number	Current mA	in	in	in	in	in			in	lbs
Diameter in	0.984	M52172/24VDC	90	M52172/12VDC	180	0.984	0.787	-	-	-	M4	M3	0.590	24.9
	1.181	M52173/24VDC	140	M52173/12VDC	280	1.181	0.945	-	-	-	M5	M3	0.709	55.8
	1.575	M52174/24VDC	230			1.575	1.063	0.62	0.51	0.74	M5	M4	1.023	126.8
	1.969	M52175/24VDC	240			1.969	1.181	0.62	0.51	0.74	M5	M4	1.339	241.9
	2.559	M52176/24VDC	340			2.559	1.378	0.62	0.51	0.74	M8	M5	1.575	369.8

## Energize to Release Power required to turn magnet OFF. Power removed to turn magnet ON.

- Sturdy bright nickel plated cylinder, passivated with body mounting
- High-quality permeable iron for low remanence
- Armature plates to suit

Operating Voltage 24VDC (with rectified plug connector)  
 Connector Options Hirschman connector  
 Mounting Central machined hole in rear face of magnet  
 Finish Bright nickel plated with machined face  
 IP Rating 54  
 Duty Cycle S2



		Standard Operating Voltage				D	W	L	b	d1	Pull at Zero Air Gap
METRIC		24VDC Product Number	Current mA			mm	mm	mm	mm		kg
Diameter mm	35	M52177/24VDC	240			35	78	48	50	M5	28.5
	50	M52178/24VDC	350			50	94	63	50	M5	47.1
IMPERIAL		24VDC Product Number	Current mA			in	in	in	in		lbs
Diameter in	1.378	M52177/24VDC	240			1.378	3.070	1.890	1.968	M5	62.8
	1.968	M52178/24VDC	350			1.968	3.700	2.480	1.968	M5	103.8

## Armature Plates

- To fit both types



Product Number	Diameter	Height	Screw	Product Number	Diameter	Height	Screw
METRIC				IMPERIAL			
M52171/25ARM	25	3	M3	M52171/25ARM	0.984	0.118	M3
M52171/30ARM	30	4	M4	M52171/30ARM	1.181	0.157	M4
M52171/40ARM	40	5	M4	M52171/40ARM	1.575	0.197	M4
M52171/50ARM	50	6	M4	M52171/50ARM	1.969	0.236	M4
M52171/65ARM	65	8	M5	M52171/65ARM	2.559	0.315	M5

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, thickness 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%