



ELECTRO

Energise to Release

Power required to turn magnet OFF. Power removed to turn magnet ON.

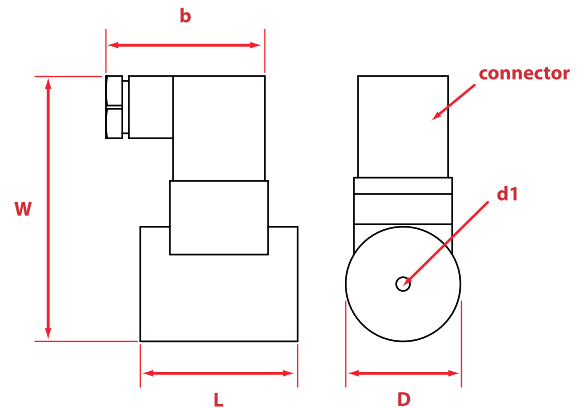
- Sturdy bright nickel plated cylinder, passivated with body mounting
- High-quality permeable iron for low remanence
- Armature plates to suit

Operating Voltage	24VDC & 240VAC (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	S4
Duty Cycle	S2



Diameter mm		Standard Operating Voltage				Air Gap mm							
		240VAC Product Number	Current mA	24VDC Product Number	Current mA	0	0.09	0.18	0.27	0.36	0.59	1.00	1.59
		Pull Force (+/- 10%) Newtons											
35	M52177/240VA	50	M52177/24VDC	240	250	91	51	32	23	17	–	–	
50	M52178/240VA	40	M52178/24VDC	350	500	317	208	151	116	73	47	28	

Product Number	Dimensions mm						Weight g
	D	L	B	W	Connector	D1	
M52177/24VDC	35	48	50	78	Hirschman Style	M5	352
M52178/24VDC	50	63	50	94	Hirschman Style	M5	874
M52177/240VA	35	48	50	81	Hirschman	M5	354
M52178/240VA	50	63	50	97	Hirschman	M5	880



Armature Plates

- To fit both types

Product Number	Diameter mm	Height mm	Screw	To Suit Diameter mm	Weight g
M52171/25ARM	25	3	M3	20.25	15
M52171/30ARM	30	4	M4	30	30
M52171/40ARM	40	5	M4	35 / 40	50
M52171/50ARM	50	6	M4	50	100
M52171/65ARM	65	8	M5	65	210
M52171/80ARM	80	10	M6	80	400
M52171/100ARM	100	12	M10	100	740



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%