

Electromagnets

Energise to Hold

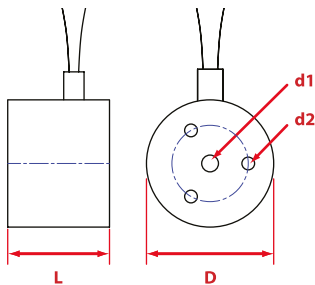
Power required to turn magnet ON. Power removed to turn magnet OFF.

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

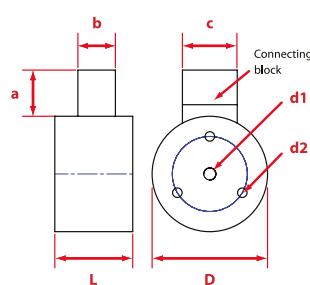
Operating Voltage	12VDC, 24VDC & 240VAC (with rectified plug connector)
Connector Options	Flying leads, two-pole connector and Hirschman connector
Mounting	Threaded holes in magnet rear face
Finish	Bright nickel plated with machined face
ED Rating	100%
IP Rating	54 (20 for the two-pole connector)



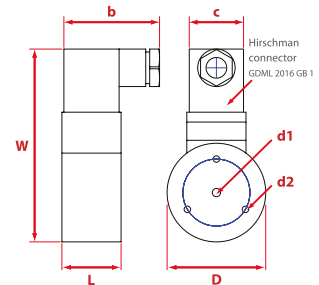
Standard Operating Voltage							Air Gap mm									
240VAC Product Number	Current mA	24VDC Product Number	Current mA	12VDC Product Number	Current mA	0	0.09	0.18	0.27	0.36	0.59	1.00	1.59	2.00	4.00	
						Pull Force (+/- 10%) Newtons										
		M52180/24VDC	100	M52180/12VDC	210	53	22	9	5	3	2	1	—	—	—	
		M52172/24VDC	90	M52172/12VDC	180	150	51	22	12	8	4	2	—	—	—	
		M52173/24VDC	140	M52173/12VDC	280	280	149	80	43	26	12	5	2	2	—	
		M52174/24VDC	230	M52174/12VDC	440	550	276	144	83	57	30	14	7	5	3	
M52175/240VA	40	M52175/24VDC	240	M52175/12VDC	470	1000	655	442	282	187	87	37	24	19	6	
M52176/240VA	50	M52176/24VDC	340	M52176/12VDC	690	1670	1137	792	533	347	180	78	39	23	11	
		M52183/24VDC	580	M52183/12VDC	1116	2000	1560	1117	715	567	283	130	67	37	20	
		M52184/24VDC	940	M52184/12VDC	1850	3600	2790	2230	1610	1360	1340	470	260	150	60	



20, 25, 30mm diameter. Free leads (500mm long)
Leads: 1 red, 1 black. 0.3mm square x 500mm long)



40, 50, 65, 80, 100mm diameter.
12VDC & 24VDC. Two pole connector



50, 65mm diameter 240VAC.
Hirschman Connector

	Dimension mm								PCD mm	Weight g
Product Number	D	L	W	A	B	C	D1	D2		
12 & 24V Units										
M52180/24VDC	20	18	—	—	—	—	M4	M3	14	36
M52172/24VDC	25	20	—	—	—	—	M4	M3	15	66
M52173/24VDC	30	24	—	—	—	—	M5	M3	18	108
M52174/24VDC	40	27	—	16	13	19	M5	M4	26	210
M52175/24VDC	50	30	—	16	13	19	M5	M4	34	364
M52176/24VDC	65	35	—	16	13	19	M8	M5	40	710
M52183/24VDC	80	38	—	16	13	19	M8	M6	50	1203
M52184/24VDC	100	43	—	16	13	19	M10	M6	75	2200
240V Units										
M52175/240VA	50	30	98	—	50	30	M5	M4	34	408
M52176/240VA	65	35	111	—	50	30	M8	M5	40	744