

HAMLIN

Magnetic Position Sensors

Specifications:

• Switching Voltage: SPST - N/O - 200VDC, SPST - HV - 300VDC, SPDT - 175VDC, SPST - N/C - 175VDC • Initial Contact Resistance: 0.200Ω • Typical Operate Time: 1.00ms • Shock without False Operation: 100G's, 11ms, 1/2 sine wave • Operate and Storage Temperature: -40°C - 105°C

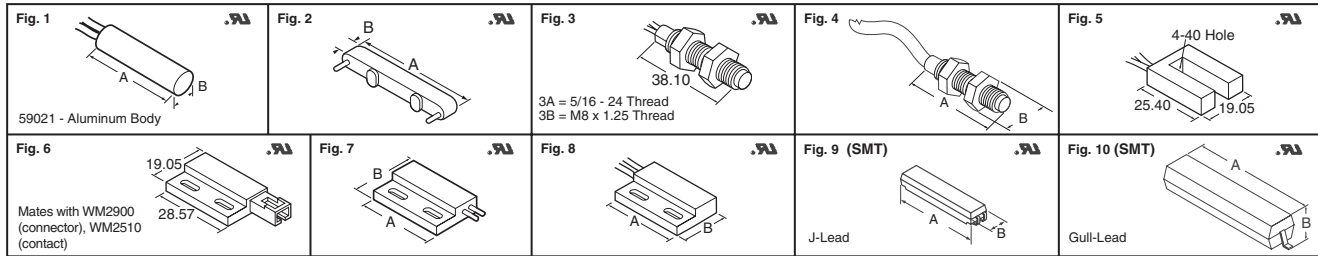


Fig.	Dimension (mm)		Must Operate/Release Distance (mm)	Termination or Wiring	Digi-Key Sensor Part No.	Price Each			Matching Magnet Part No.	Price Each		
	A	B				1	10	50		1	10	50
SPST-N/O												
1	9.00	3.00	6.0/—	12" PVC Leads	59010-1-S-02-F-ND	9.36	7.92	6.63	57020-000-ND	3.54	3.00	2.51
1	9.00	3.00	4.5/—	12" PVC Leads	59010-1-T-02-F-ND	9.36	7.92	6.63	57020-000-ND	3.54	3.00	2.51
1	16.4	5.10	2.54/7.62	12" PVC Leads	59020-010-ND	5.62	4.76	3.98	57020-000-ND	3.54	3.00	2.51
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-010-ND	2.83	2.40	2.01	57025-000-ND	2.57	2.18	1.82
1	5.10	15.24	6.0/—	12" PVC Leads	59021-1-S-02-A-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
1	5.10	15.24	6.0/—	12" PVC Leads	59021-1-S-02-F-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
1	5.10	15.24	4.5/—	12" PVC Leads	59021-1-T-02-A-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
1	5.10	15.24	4.5/—	12" PVC Leads	59021-1-T-02-F-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
1	5.10	15.24	4.0/—	12" PVC Leads	59021-1-U-02-A-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
1	5.10	15.24	4.0/—	12" PVC Leads	59021-1-U-02-F-ND	16.61	14.06	11.76	57020-000-ND	3.54	3.00	2.51
2	17.78	4.32	1.90/13.97	PCB Pins	59045-010-ND	1.72	1.46	1.22	57045-000-ND	2.99	2.53	2.12
2	22.86	4.57	3.81/19.05	PCB pins	59050-010-ND	1.24	1.05	.88	57050-000-ND	3.09	2.62	2.19
3A	—	—	3.81/20.32	12" PVC Leads	59065-010-ND	3.67	3.11	2.60	57065-000-ND	3.19	2.70	2.26
3B	—	—	3.81/20.32	12" PVC Leads	59070-010-ND	3.67	3.11	2.60	57070-000-ND	2.99	2.53	2.12
4	46.0	M12	10.0/30.0	16" 4" HD Cable	59075-1-T-50-F-ND	16.20	13.55	11.05	57075-000-ND	29.65	24.80	20.22
4	46.0	M12	10.0/30.0	20" HD Cable	59075-1-U-03-A-ND	18.69	15.82	13.23	57075-000-ND	29.65	24.80	20.22
5	—	—	2.54/6.35	12" PVC Leads	59085-010-ND	8.94	7.57	6.33	—	—	—	—
6	—	—	3.81/20.32	Connector	59105-010-ND	4.29	3.63	3.04	57105-000-ND	2.67	2.26	1.89
7	28.57	19.05	3.81/20.32	Pins	59125-010-ND	3.74	3.17	2.65	57125-000-ND	2.67	2.26	1.89
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-010-ND	6.08	5.15	4.31	57135-000-ND	3.54	3.00	2.51
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-010-ND	2.86	2.42	2.03	57140-000-ND	2.86	2.42	2.03
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-010-ND	3.06	2.59	2.17	57145-000-ND	2.67	2.26	1.89
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-010-ND	3.06	2.59	2.17	57150-000-ND	2.67	2.26	1.89
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-010-ND	2.02	1.71	1.43	57050-000-ND	3.09	2.62	2.19
10	16	2.51	7.5/—	Gull Lead SMT	59165-1-S-00-C-ND	1.07	.91	.76	—	—	—	—
10	16	2.51	6.5/—	Gull Lead SMT	59165-1-T-00-C-ND	1.07	.91	.76	—	—	—	—
10	16	2.51	5.0/—	Gull Lead SMT	59165-1-U-00-C-ND	1.07	.91	.76	—	—	—	—
SPST-HV-N/O												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-020-ND†	3.28	2.78	2.33	57025-000-ND†	2.57	2.18	1.82
2	22.86	4.57	3.81/19.05	PCB Pins	59050-020-ND†	1.72	1.46	1.22	57050-000-ND†	3.09	2.62	2.19
3A	—	—	3.81/20.32	12" PVC Leads	59065-020-ND†	3.97	3.36	2.81	57065-000-ND†	3.19	2.70	2.26
3B	—	—	3.81/20.32	12" PVC Leads	59070-020-ND†	3.97	3.36	2.81	57070-000-ND†	2.99	2.53	2.12
6	—	—	3.81/20.32	Connector	59105-020-ND†	4.91	4.16	3.48	57105-000-ND†	2.67	2.26	1.89
7	28.57	19.05	3.81/20.32	Pins	59125-020-ND†	4.32	3.66	3.06	57125-000-ND†	2.67	2.26	1.89
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-020-ND	6.44	5.45	4.56	57135-000-ND	3.54	3.00	2.51
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-020-ND†	3.48	2.95	2.47	57140-000-ND†	2.86	2.42	2.03
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-020-ND†	3.61	3.06	2.56	57145-000-ND†	2.67	2.26	1.89
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-020-ND†	3.61	3.06	2.56	57150-000-ND†	2.67	2.26	1.89
SPDT-O/C												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-030-ND	4.78	4.05	3.39	57025-000-ND	2.57	2.18	1.82
3A	—	—	3.81/20.32	12" PVC Leads	59065-030-ND	5.30	4.49	3.75	57065-000-ND	3.19	2.70	2.26
3B	—	—	3.81/20.32	12" PVC Leads	59070-030-ND	5.30	4.49	3.75	57070-000-ND	2.99	2.53	2.12
5	—	—	2.54/6.35	12" PVC Leads	59085-030-ND	9.39	7.95	6.65	—	—	—	—
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-030-ND	7.70	6.52	5.46	57135-000-ND	3.54	3.00	2.51
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-030-ND	5.10	4.32	3.62	57140-000-ND	2.86	2.42	2.03
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-030-ND	5.07	4.29	3.59	57145-000-ND	2.67	2.26	1.89
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-030-ND	4.94	4.18	3.50	57150-000-ND	2.67	2.26	1.89
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-030-ND	4.03	3.41	2.86	57050-000-ND	3.09	2.62	2.19
SPST-N/C												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-040-ND	4.52	3.83	3.20	57025-000-ND	2.57	2.18	1.82
3A	—	—	3.81/20.32	12" PVC Leads	59065-040-ND	4.97	4.21	3.52	57065-000-ND	3.19	2.70	2.26
3B	—	—	3.81/20.32	12" PVC Leads	59070-040-ND	4.97	4.21	3.52	57070-000-ND	2.99	2.53	2.12
8	23.01	19.05	4.44/20.32	12" PVC Leads	59140-040-ND	4.81	4.07	3.41	57140-000-ND	2.86	2.42	2.03

• HE1-KIT-ND Digi-Key® Magnetic Switches Kit Assortment of switches denoted. (22 total pieces) Includes notebook style standard case \$69.95
 † HE2-KIT-ND Digi-Key® Magnetic Switches Kit One each of switches denoted. (18 total pieces) Includes notebook style standard case \$49.95

MEDER electronic Level Sensors with Magnetic Float



Compact sensors for detection of liquid levels such as oils, petroleum and fluids. LS01/02 series are for vertical tank mounting and LS03 is for horizontal mounting. Perfect for tank monitoring in household, automotive, control-test and measurement industries. Sensors are made of strong Polyimide material and include seals and mounting nut.

Specifications: • Switching Current: 0.5A • Switching Voltage: 200V, stripped and tinned leads.

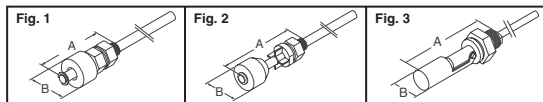


Fig.	Dimensions (mm)		Bushing	Operating Temperature	Termination or Wiring	Digi-Key Part No.	Price Each			Meder Part No.
	A	B					1	10	50	
1	42.5	24	M8x1.25	0°C - 70°C	500mm PVC Leads	374-1000-ND	14.89	13.29	10.77	LS01-1A71-PA-500W
2	72.5	23.5	M10x1.0	-20°C - 100°C	500mm PVC Leads	374-1001-ND	15.93	14.21	11.52	LS02-1A71-PA-500W
3	80	17.2	M16x1.5	-20°C - 100°C	500mm PVC Leads	374-1002-ND	17.71	15.81	12.81	LS03-1A66-PA-500W

RADIAL MAGNET INC Magnets



Made from Neodymium Iron Boron (NdFeB), rare earth magnets. These magnets are nickel plated. Neodymium Magnets are the most powerful permanent magnetic materials commercially available. Increasing the size of a magnet also increases magnetic strength.

Description	Gauss Strength	Digi-Key Part No.	Price Each			
			1	10	50	100
1" Dia. x 1/8" Thick	10,800	469-1000-ND	2.05	1.80	1.60	1.42
3/4" Dia. x 1/8" Thick	10,800	469-1001-ND	1.20	1.16	1.05	.96
1/2" Dia. x 1/8" Thick	10,800	469-1002-ND	.60	.54	.48	.46
1/4" Dia. x 1/4" Thick	10,800	469-1003-ND	.36	.34	.32	.30
1/4" Dia. x 1/8" Thick	10,800	469-1004-ND	.20	.19	.18	.16
1/4" Dia. x 1/16" Thick	10,800	469-1005-ND	.13	.12	.11	.10
1" x 2" x 1/8" Thick	10,800	469-1006-ND	4.80	4.50	4.14	3.84
1" x 2" x 1/4" Thick	10,800	469-1007-ND	7.95	7.20	6.75	5.56

More Product Available Online: www.digkey.com