

### 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

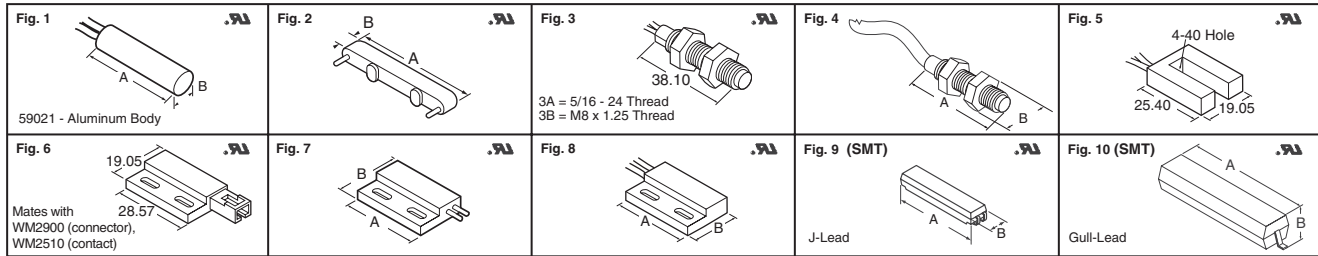
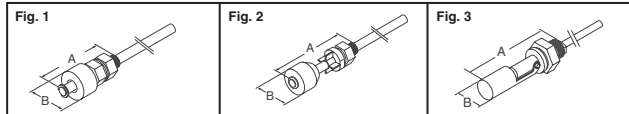


Fig.	Dimension (mm)		Must Operate/Release Distance (mm)	Termination or Wiring	Digi-Key Sensor Part No.	Price Each			Matching Magnet Part No.	Price Each		
	A	B				1	10	50		1	10	50
<b>SPST-N/O</b>												
1	9.00	3.00	6.0/—	12" PVC Leads	59010-1-S-02-F-ND	6.80	5.75	4.81	57020-000-ND	2.57	2.18	1.82
1	9.00	3.00	4.5/—	12" PVC Leads	59010-1-T-02-F-ND	6.80	5.75	4.81	57020-000-ND	2.57	2.18	1.82
1	16.4	5.10	2.54/7.62	12" PVC Leads	59020-010-ND	4.08	3.46	2.89	57020-000-ND	2.57	2.18	1.82
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-010-ND	2.05	1.74	1.46	57025-000-ND	1.87	1.58	1.32
1	5.10	15.24	6.0/—	12" PVC Leads	59021-1-S-02-A-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
1	5.10	15.24	6.0/—	12" PVC Leads	59021-1-S-02-F-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
1	5.10	15.24	4.5/—	12" PVC Leads	59021-1-T-02-A-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
1	5.10	15.24	4.5/—	12" PVC Leads	59021-1-T-02-F-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
1	5.10	15.24	4.0/—	12" PVC Leads	59021-1-U-02-A-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
1	5.10	15.24	4.0/—	12" PVC Leads	59021-1-U-02-F-ND	12.06	10.21	8.54	57020-000-ND	2.57	2.18	1.82
2	17.78	4.32	1.90/13.97	PCB Pins	59045-010-ND	1.25	1.06	.89	57045-000-ND	2.17	1.84	1.54
2	22.86	4.57	3.81/19.05	PCB pins	59050-010-ND	.90	.76	.64	57050-000-ND	2.24	1.90	1.59
3A	—	—	3.81/20.32	12" PVC Leads	59065-010-ND	2.66	2.26	1.89	57065-000-ND	2.32	1.96	1.64
3B	—	—	3.81/20.32	12" PVC Leads	59070-010-ND	2.66	2.26	1.89	57070-000-ND	2.17	1.84	1.54
4	46.0	M12	10.0/30.0	16" 4" HD Cable	59075-1-T-50-F-ND	11.76	9.84	8.02	57075-000-ND	21.53	18.00	14.68
4	46.0	M12	10.0/30.0	20" HD Cable	59075-1-U-03-A-ND	13.57	11.48	9.61	57075-000-ND	21.53	18.00	14.68
5	—	—	2.54/6.35	12" PVC Leads	59085-010-ND	6.49	5.50	4.60	—	—	—	—
6	—	—	3.81/20.32	Connector	59105-010-ND	3.11	2.64	2.21	57105-000-ND	1.94	1.64	1.37
7	28.57	19.05	3.81/20.32	Pins	59125-010-ND	2.72	2.30	1.93	57125-000-ND	1.94	1.64	1.37
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-010-ND	4.41	3.74	3.13	57135-000-ND	2.57	2.18	1.82
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-010-ND	2.08	1.76	1.47	57140-000-ND	2.08	1.76	1.47
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-010-ND	2.22	1.88	1.57	57145-000-ND	1.94	1.64	1.37
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-010-ND	2.22	1.88	1.57	57150-000-ND	1.94	1.64	1.37
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-010-ND	1.47	1.24	1.04	57050-000-ND	2.24	1.90	1.59
10	16	2.51	7.5/—	Gull Lead SMT	59165-1-S-00-C-ND	.78	.66	.56	—	—	—	—
10	16	2.51	6.5/—	Gull Lead SMT	59165-1-T-00-C-ND	.78	.66	.56	—	—	—	—
10	16	2.51	5.0/—	Gull Lead SMT	59165-1-U-00-C-ND	.78	.66	.56	—	—	—	—
<b>SPST-HV-N/O</b>												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-020-ND†	2.38	2.02	1.69	57025-000-ND†	1.87	1.58	1.32
2	22.86	4.57	3.81/19.05	PCB Pins	59050-020-ND†	1.25	1.06	.89	57050-000-ND†	2.24	1.90	1.59
3A	—	—	3.81/20.32	12" PVC Leads	59065-020-ND†	2.88	2.44	2.04	57065-000-ND†	2.32	1.96	1.64
3B	—	—	3.81/20.32	12" PVC Leads	59070-020-ND†	2.88	2.44	2.04	57070-000-ND†	2.17	1.84	1.54
6	—	—	3.81/20.32	Connector	59105-020-ND†	3.56	3.02	2.53	57105-000-ND†	1.94	1.64	1.37
7	28.57	19.05	3.81/20.32	Pins	59125-020-ND†	3.14	2.66	2.23	57125-000-ND†	1.94	1.64	1.37
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-020-ND	4.68	3.96	3.31	57135-000-ND	2.57	2.18	1.82
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-020-ND†	2.53	2.14	1.79	57140-000-ND†	2.08	1.76	1.47
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-020-ND†	2.62	2.22	1.86	57145-000-ND†	1.94	1.64	1.37
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-020-ND†	2.62	2.22	1.86	57150-000-ND†	1.94	1.64	1.37
<b>SPDT-O/C</b>												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-030-ND	3.47	2.94	2.46	57025-000-ND	1.87	1.58	1.32
3A	—	—	3.81/20.32	12" PVC Leads	59065-030-ND	3.85	3.26	2.73	57065-000-ND	2.32	1.96	1.64
3B	—	—	3.81/20.32	12" PVC Leads	59070-030-ND	3.85	3.26	2.73	57070-000-ND	2.17	1.84	1.54
5	—	—	2.54/6.35	12" PVC Leads	59085-030-ND	6.82	5.77	4.83	—	—	—	—
8	28.57	19.05	8.89/29.21	12" Teflon Leads	59135-030-ND	5.59	4.74	3.96	57135-000-ND	2.57	2.18	1.82
7	23.01	14.00	4.44/20.32	12" PVC Leads	59140-030-ND	3.70	3.14	2.63	57140-000-ND	2.08	1.76	1.47
7	28.57	19.05	5.71/20.32	12" PVC Leads	59145-030-ND	3.68	3.12	2.61	57145-000-ND	1.94	1.64	1.37
8	28.57	19.05	5.71/20.32	12" PVC Leads	59150-030-ND	3.59	3.04	2.54	57150-000-ND	1.94	1.64	1.37
9	20.32	3.75	3.93/11.17	J-Lead SMT	59160-030-ND	2.93	2.48	2.08	57050-000-ND	2.24	1.90	1.59
<b>SPST-N/C</b>												
1	25.4	6.22	3.81/20.32	12" PVC Leads	59025-040-ND	3.28	2.78	2.33	57025-000-ND	1.87	1.58	1.32
3A	—	—	3.81/20.32	12" PVC Leads	59065-040-ND	3.61	3.06	2.56	57065-000-ND	2.32	1.96	1.64
3B	—	—	3.81/20.32	12" PVC Leads	59070-040-ND	3.61	3.06	2.56	57070-000-ND	2.17	1.84	1.54
8	23.01	19.05	4.44/20.32	12" PVC Leads	59140-040-ND	3.49	2.96	2.48	57140-000-ND	2.08	1.76	1.47

• HE1-KIT-ND Digi-Key® Magnetic Switches Kit Assortment of switches denoted. (22 total pieces) Includes notebook style standard case ..... 50.78  
 † HE2-KIT-ND Digi-Key® Magnetic Switches Kit One each of switches denoted. (18 total pieces) Includes notebook style standard case ..... 36.26



## 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	14.21	12.68	10.28	LS01-1A71-PA-500W
2	72.5	23.5	M10x1.0	-20°C ~ 100°C	500mm PVC Leads	374-1001-ND	14.51	12.95	10.50	LS02-1A71-PA-500W
3	80	17.2	M16x1.5	-20°C ~ 100°C	500mm PVC Leads	374-1002-ND	18.14	16.20	13.12	LS03-1A66-PA-500W

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