

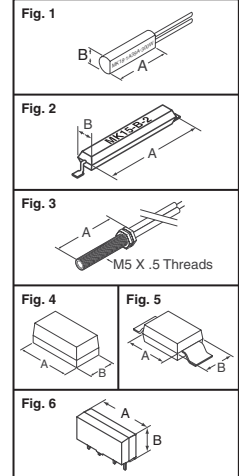
Fig.	Circuit	Ampere Turns	Maximum DC Contact Rating Watts	Switching Current (Amps)	Carry Current (Amp)	Operate/Release (ms/μs)	Dimensions - Inches (mm)			Digi-Key Part No.	Price Each	10	50	Coto Part No.	
							A	B	C						
1	SPST	14-23	10	200	0.5	1	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1168-ND	.64	.54	.46	RI-01BAA
	SPST	16-25	10	200	0.5	1	35/50	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1169-ND	.64	.54	.46	RI-01CA
	SPST	7-21	10	200	0.5	0.5	30/70	.394 (10)	1.811 (46)	.071 (1.8)	306-1170-ND	.99	.84	.71	RI-02A
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1171-ND	.73	.62	.52	RI-03A
	SPST	16-25	10	200	0.5	1.75	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1172-ND	.73	.62	.52	RI-07AA
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1188-ND	.78	.66	.56	RI-21A
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1087-ND	.78	.66	.56	RI-23A
	SPST	14-23	10	200	0.5	1.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1086-ND	.78	.66	.56	RI-23AA
	SPST	8-16	10	200	0.25	1	10/70	.591 (15)	1.811 (46)	.1 (2.54)	306-1085-ND	.78	.66	.56	RI-23AAA
	SPST	28-52	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1088-ND	.78	.66	.56	RI-23B
	SPST	46-70	10	200	0.5	2.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1089-ND	.78	.66	.56	RI-23C
	SPST	18-32	15	200	1	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1092-ND	.78	.66	.56	RI-25A
	SPST	14-23	15	200	1	1.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1091-ND	.78	.66	.56	RI-25AA
	SPST	8-16	10	200	0.75	1.5	25/70	.591 (15)	1.811 (46)	.1 (2.54)	306-1090-ND	.78	.66	.56	RI-25AAA
	SPST	28-52	25	200	1	2.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1093-ND	.78	.66	.56	RI-25B
	SPST	46-70	25	200	1	3	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1094-ND	.78	.66	.56	RI-25C
	SPST	20-34	10	200	0.5	1.75	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1082-ND	1.18	1.00	.84	RI-27A
	SPST	16-25	10	200	0.5	1.75	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1081-ND	1.18	1.00	.84	RI-27AA
	SPST	10-19	10	180	0.5	1.5	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1080-ND	1.18	1.00	.84	RI-27AAA
	SPST	20-34	20	200	1	1.25	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1191-ND	1.18	1.00	.84	RI-29A
	SPST	16-25	15	200	1	1.25	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1083-ND	1.18	1.00	.84	RI-29AA
	SPST	15-28	30	200	1	2.5	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1099-ND	1.13	.96	.81	RI-46A
	SPST	10-19	30	200	0.75	2	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1098-ND	1.13	.96	.81	RI-46AA
	SPST	24-51	40	200	1	3	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1100-ND	1.13	.96	.81	RI-46B
	SPST	46-70	40	200	1	3	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1101-ND	1.13	.96	.81	RI-46C
	SPST	15-28	70	200	1	1.75	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1102-ND	1.13	.96	.81	RI-48A
	SPST	24-51	70	200	1	2.25	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1103-ND	1.13	.96	.81	RI-48B
	SPST	46-70	70	200	1	2.25	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1104-ND	1.13	.96	.81	RI-48C
	SPST	10-15	10	200	0.5	0.5	15/20	.394 (10)	1.811 (46)	.071 (1.8)	306-1121-ND	1.13	.96	.81	RI60GP1015
	SPST	15-20	10	200	0.5	0.5	15/20	.394 (10)	1.811 (46)	.071 (1.8)	306-1122-ND	1.13	.96	.81	RI60GP1520
	SPST	7-14	10	170	0.5	0.4	15/35	.276 (7)	1.811 (46)	.071 (1.8)	306-1077-ND	1.51	1.28	1.07	RI-70CTA
	SPST	7-15	10	170	0.5	0.4	15/35	.276 (7)	1.811 (46)	.071 (1.8)	306-1123-ND	1.51	1.28	1.07	RI70GP0715
	SPST	5-15	5	200	0.35	0.5	35/20	.19 (5)	1.81 (46)	.07 (1.8)	306-1144-ND	2.00	1.70	1.42	RI-80GP0515
	SPDT	10-30	5	175	0.4	0.5	1.0/1.0	.590 (15)	1.988 (50.5)	.1 (2.54)	306-1143-ND	3.17	2.68	2.24	RI-90GP1030

Fig.	Circuit	Ampere Turns	Max. DC Contact Rating Watts	Switching Current (Amps)	Carry Current (Amps)	Operate/Release (ms/μs)	Package	Dimensions - Inches (mm)			Digi-Key Part No.	Cut Tape Price Each	1	10	50	Digi-Key Part No.	Tape and Reel Pricing 7,000	Coto Part No.
								A	B	C								
2	SPST	5-15	5	175	0.35	0.5	.35/20	Gullwing	.196 (5)	.342 (8.7)	.07 (1.8)	306-1145-1-ND	2.22	1.88	1.57	306-1145-2-ND	887.18/M	RI-80SMD0515G1
	SPST	5-15	5	175	0.35	0.5	.35/20	Gullwing	.196 (5)	.4 (10.16)	.07 (1.8)	306-1146-1-ND	2.22	1.88	1.57	306-1146-2-ND	887.18/M	RI-80SMD0515G2
	SPST	9-15	10	200	0.5	0.5	.30/70	Gullwing	.394 (10)	.768 (19.5)	.069 (1.75)	306-1190-1-ND	1.23	1.04	.87	306-1190-2-ND	490.78/M	RI-02SMD-G2
3	SPST	5-15	5	175	0.35	0.5	.35/20	J-Lead	.196 (5)	.279 (7.1)	.07 (1.8)	306-1147-1-ND	2.34	1.98	1.66	306-1147-2-ND	934.37/M	RI-80SMD0515J

Fig.	Circuit	Ampere Turns	Max. DC Contact Rating Watts	Switching Current (Amps)	Carry Current (Amps)	Package	Dimensions - Inches (mm)				Digi-Key Part No.	Cut Tape Price Each	1	10	50	Digi-Key Part No.	Tape and Reel Pricing 2,000	Coto Part No.
							A	B	C	D								
4	SPST	30-50	5	140	0.35	0.5	Gullwing	.252 (6.4)	.091 (2.31)	.091 (2.31)	.376 (9.55)	306-1148-1-ND	3.56	3.02	2.53	306-1148-2-ND	1644.39/M	CT05-3050-G1
	SPST	15-35	5	140	0.35	0.5	Gullwing	.252 (6.4)	.091 (2.31)	.091 (2.31)	.376 (9.55)	306-1149-1-ND	3.56	3.02	2.53	306-1149-2-ND	1644.39/M	CT05-1535-G1
	SPST	30-50	5	140	0.35	0.5	J-Lead	.252 (6.4)	.091 (2.31)	.091 (2.31)	.376 (9.55)	306-1150-1-ND	3.85	3.26	2.73	306-1150-2-ND	1775.07/M	CT05-3050-J1
	SPST	15-35	5	140	0.35	0.5	J-Lead	.252 (6.4)	.091 (2.31)	.091 (2.31)	.376 (9.55)	306-1151-1-ND	3.85	3.26	2.73	306-1151-2-ND	1775.07/M	CT05-1535-J1
	SPST	15-30	10	200	0.5	0.5	Gullwing	.458 (11.63)	.095 (2.41)	.115 (2.92)	.635 (16.13)	306-1125-1-ND	1.96	1.66	1.39	306-1125-2-ND	783.36/M	CT10-1530-G1
	SPST	15-40	10	200	0.5	0.5	Gullwing	.458 (11.63)	.095 (2.41)	.115 (2.92)	.635 (16.13)	306-1124-1-ND	1.96	1.66	1.39	306-1124-2-ND	783.36/M	CT10-1540-G1
SPST	25-40	10	200	0.5	0.5	Gullwing	.458 (11.63)	.095 (2.41)	.115 (2.92)	.635 (16.13)	306-1126-1-ND	1.96	1.66	1.39	306-1126-2-ND	783.36/M	CT10-2540-G1	

Meder Magnetic Sensors are magnetically operated proximity switches for either surface mounting, PCB or panel mounting. Use for telephone hook switch detection, door and window sensing, limit switches for garage doors, hoists and conveyors. Switches are completely sealed for indoor/outdoor operation, available in various magnetic sensitivities, perfect for auto-insert equipment and auto-mated processes. All sensors will actuate when a magnetic field is introduced to them and will remain actuated until the magnetic field is removed. **Operating Temperature Range:** -20°C - 85°C; -20°C - 130°C for Fig. 3.

Fig.	Circuit	Dimensions (mm)		Switching Voltage	Current	Termination or Wiring	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Meder Part No.
		A	B					1	10	50		Qty.	Pricing	
1	SPST-NO	17.00	5.00	200	0.5	100mm PVC Leads	374-1023-ND	7.22	6.45	5.23	—	—	—	MK18-B-100W
	SPST-NO	17.00	5.00	200	0.5	100mm PVC Leads	374-1024-ND	7.22	6.45	5.23	—	—	—	MK18-C-100W
	SPST-NO	25.50	5.75	180	0.5	500mm PVC Leads	374-1027-ND	4.62	4.13	3.35	—	—	—	MK3-1A71B-500W
	SPST-NO	25.50	5.75	180	0.5	500mm PVC Leads	374-1028-ND	4.62	4.13	3.35	—	—	—	MK03-1A66C-500W
	SPST-NC	25.50	5.75	175	0.25	500mm PVC Leads	374-1029-ND	8.07	7.20	5.84	—	—	—	MK3-1B90C-500W
	SPST-NO/NC	25.50	5.75	175	0.25	500mm PVC Leads	374-1030-ND	8.55	7.63	6.18	—	—	—	MK3-1C90C-500W
2	SPST-NO	16.00	2.50	200	0.5	SMD	374-1013-1-ND	1.34	1.20	.98	374-1013-2-ND	2,500	537.97/M	MK15-B-2
	SPST-NO	11.50	2.30	200	0.5	SMD	374-1017-1-ND	1.60	1.44	1.17	374-1017-2-ND	2,500	641.79/M	MK16-B-2
	SPST-NO	11.50	2.30	200	0.5	SMD	374-1019-1-ND	1.60	1.44	1.17	374-1019-2-ND	2,500	641.79/M	MK16-C-2
	SPST-NO	8.50	2.10	170	0.5	SMD	374-1021-1-ND	2.08	1.86	1.51	374-1021-2-ND	2,000	830.55/M	MK17-B-2
3	SPST-NO	24.90	—	180	0.5	500mm PVC Leads	374-1007-ND	9.21	8.22	6.66	—	—	—	MK11-1A71C-500W
	SPST	8.6	4.4	170	0.5	SMD	374-1039-1-ND	5.95	5.04	4.21	374-1039-2-ND	1,000	2378.38	CRR05-1A
4	SPST	8.6	4.4	170	0.5	SMD	374-1040-1-ND	8.68	7.35	6.15	374-1040-2-ND	1,000	3740.35	CRR05-1AS
	SPST-NO	8.6	4.4	170	0.5	SMD	374-1041-1-ND	6.55	5.67	4.85	374-1041-2-ND	1,000	3274.99	CRF05-1A
	SPST-NO	8.6	4.4	170	0.5	SMD	374-1042-1-ND	8.65	7.49	6.41	374-1042-2-ND	1,000	4422.07	CRF05-1AS
5	SPST-NO	2.8	2.05	3.0	100	SMD	374-1045-1-ND	10.52	9.27	8.15	—	—	—	MMS-B-2
	SPST-NO	15.2	6.8	200	0.5	PCB Pins	374-1047-5-ND	5.24	4.44	3.71	—	—	—	MS05-1A87-75DHR
SPST-NO	15.2	6.8	200	0.5	PCB Pins	374-1050-5-ND	5.97	5.06	4.23	—	—	—	MS12-1A87-75D	



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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