



Fig.	Circuit	Ampere Turns	Maximum DC Contact Rating		Switching Current (Amps)	Carry Current (Amps)	Operate/Release (ms/μs)	Dimensions - Inches (mm)			Digi-Key Part No.	Price Each			Coto Part No.
			Watts	Volts				A	B	C		1	10	50	
1	SPST	14-23	10	200	0.5	1	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1168-ND	.88	.75	.63	RI-01BAA
	SPST	16-25	10	200	0.5	1	35/50	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1169-ND	.88	.75	.63	RI-01CAA
	SPST	7-21	10	200	0.5	0.5	30/70	.394 (10)	1.811 (46)	.071 (1.8)	306-1170-ND	1.37	1.16	.97	RI-02AA
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1171-ND	1.01	.86	.72	RI-03AA
	SPST	16-25	10	200	0.5	1.75	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1172-ND	1.01	.86	.72	RI-07AA
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1188-ND	1.07	.91	.76	RI-21AA
	SPST	18-32	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1087-ND	1.07	.91	.76	RI-23AA
	SPST	14-23	10	200	0.5	1.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1086-ND	1.07	.91	.76	RI-23AAA
	SPST	8-16	10	200	0.25	1	10/70	.591 (15)	1.811 (46)	.1 (2.54)	306-1085-ND	1.07	.91	.76	RI-23AAA
	SPST	28-52	10	200	0.5	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1088-ND	1.07	.91	.76	RI-23B
	SPST	46-70	10	200	0.5	2.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1089-ND	1.07	.91	.76	RI-23C
	SPST	18-32	15	200	1	2.5	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1092-ND	1.07	.91	.76	RI-25AA
	SPST	14-23	15	200	1	1.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1091-ND	1.07	.91	.76	RI-25AAA
	SPST	8-16	10	200	0.75	1.5	25/70	.591 (15)	1.811 (46)	.1 (2.54)	306-1090-ND	1.07	.91	.76	RI-25AAA
	SPST	28-52	25	200	1	2.75	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1093-ND	1.07	.91	.76	RI-25B
	SPST	46-70	25	200	1	3	25/30	.591 (15)	1.811 (46)	.1 (2.54)	306-1094-ND	1.07	.91	.76	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	1.63	1.38	1.15	RI-27AA
	SPST	16-25	10	200	0.5	1.75	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1081-ND	1.63	1.38	1.15	RI-27AAA
	SPST	10-19	10	180	0.5	1.5	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1080-ND	1.63	1.38	1.15	RI-27AAA
	SPST	20-34	20	200	1	1.25	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1191-ND	1.63	1.38	1.15	RI-29AA
	SPST	16-25	15	200	1	1.25	25/30	.531 (13.5)	1.811 (46)	.071 (1.8)	306-1083-ND	1.63	1.38	1.15	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	1.56	1.32	1.11	RI-46AA
	SPST	10-19	30	200	0.75	2	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1098-ND	1.56	1.32	1.11	RI-46AAA
	SPST	24-51	40	200	1	3	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1100-ND	1.56	1.32	1.11	RI-46B
	SPST	46-70	40	200	1	3	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1101-ND	1.56	1.32	1.11	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	1.56	1.32	1.11	RI-48AA
	SPST	24-51	70	200	1	2.25	35/30	.807 (20.5)	2.157 (54.8)	.106 (2.7)	306-1103-ND	1.56	1.32	1.11	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	1.56	1.32	1.11	RI-48C
	SPST	10-15	10	200	0.5	0.5	15/20	.394 (10)	1.811 (46)	.071 (1.8)	306-1121-ND	1.56	1.32	1.11	RI60GP1015
	SPST	15-20	10	200	0.5	0.5	15/20	.394 (10)	1.811 (46)	.071 (1.8)	306-1122-ND	1.56	1.32	1.11	RI60GP1520
	SPST	7-14	10	170	0.5	0.4	15/35	.276 (7)	1.811 (46)	.071 (1.8)	306-1077-ND	2.08	1.76	1.48	RI-70CTA
	SPST	7-15	10	170	0.5	0.4	15/35	.276 (7)	1.811 (46)	.071 (1.8)	306-1123-ND	2.08	1.76	1.48	RI70GP0715
	SPST	5-15	5	200	0.35	0.5	35/20	.19 (5)	1.81 (46)	.07 (1.8)	306-1144-ND	2.76	2.34	1.96	RI-80M0515G2
	SPDT	10-30	5	175	0.4	0.5	10/10	.590 (15)	1.988 (50.5)	.1 (2.54)	306-1143-ND	4.36	3.69	3.09	RI-90GP1030

Fig.	Circuit	Ampere Turns	Max. DC Contact Rating	Switching Current (Amps)	Carry Current (Amps)	Operate/Release (ms/μs)	Package	Dimensions - Inches (mm)			Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 7,000	Coto Part No.	
								A	B	C		1	10	50				
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	3.06	2.59	2.17	306-1145-2-ND	1222.00/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	3.06	2.59	2.17	306-1146-2-ND	1222.00/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	1.69	1.43	1.20	306-1190-2-ND	676.00/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	3.22	2.73	2.28	306-1147-2-ND	1287.00/M	RI-80SMD0515J

Fig.	Circuit	Ampere Turns	Max. DC Contact Rating	Switching Current (Amps)	Carry Current (Amps)	Package	Dimensions - Inches (mm)				Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 2,000	Coto Part No.	
							A	B	C	D		1	10	50				
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	4.91	4.16	3.48	306-1148-2-ND	2265.00/M	CT05-3050-G1
	SPST	15-25	5	140	0.35	0.5	Gullwing	.252 (6.4)	.091 (2.31)	.091 (2.31)	.376 (9.55)	306-1149-1-ND	4.91	4.16	3.48	306-1149-2-ND	2265.00/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	5.30	4.49	3.75	306-1150-2-ND	2445.00/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	5.30	4.49	3.75	306-1151-2-ND	2445.00/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	2.70	2.29	1.91	306-1125-2-ND	1079.00/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	2.70	2.29	1.91	306-1124-2-ND	1079.00/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	2.70	2.29	1.91	306-1126-2-ND	1079.00/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 conveyers. 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	8.45	7.54	6.11	—	—	—	MK18-B-100W
	SPST-NO	17.00	5.00	200	0.5	100mm PVC Leads	374-1024-ND	8.45	7.54	6.11	—	—	—	MK18-C-100W
	SPST-NO	25.50	5.75	180	0.5	500mm PVC Leads	374-1027-ND	6.37	5.69	4.61	—	—	—	MK3-1A71B-500W
	SPST-NO	25.50	5.75	180	0.5	500mm PVC Leads	374-1028-ND	6.37	5.69	4.61	—	—	—	MK03-1A66C-500W
	SPST-NC	25.50	5.75	175	0.25	500mm PVC Leads	374-1029-ND	10.01	8.94	7.24	—	—	—	MK3-1B90C-500W
SPST-NO/NC	25.50	5.75	175	0.25	500mm PVC Leads	374-1030-ND	10.60	9.46	7.67	—	—	—	MK3-1C90C-500W	
2	SPST-NO	16.00	2.50	200	0.5	SMD	374-1013-1-ND	1.76	1.57	1.27	374-1013-2-ND	2,500	702.00/M	MK15-B-2
	SPST-NO	11.50	2.30	200	0.5	SMD	374-1017-1-ND	1.95	1.74	1.41	374-1017-2-ND	2,500	780.00/M	MK16-B-2
	SPST-NO	11.50	2.30	200	0.5	SMD	374-1019-1-ND	1.95	1.74	1.41	374-1019-2-ND	2,500	780.00/M	MK16-C-2
	SPST-NO	8.50	2.10	170	0.5	SMD	374-1021-1-ND	2.67	2.38	1.93	374-1021-2-ND	2,000	1066.00/M	MK17-B-2
3	SPST-NO	24.90	—	180	0.5	500mm PVC Leads	374-1007-ND	12.68	11.31	9.17	—	—	—	MK11-1A71C-500W
	SPST	8.6	4.4	170	0.5	SMD	374-1039-1-ND	7.90	6.69	5.59	374-1039-2-ND	1,000	3159.00	CRF05-1A
	SPST	8.6	4.4	170	0.5	SMD	374-1040-1-ND	10.76	9.11	7.62	374-1040-2-ND	1,000	4634.00	CRF05-1AS
	SPST-NO	8.6	4.4	170	0.5	SMD	374-1041-1-ND	8.40	7.27	6.22	374-1041-2-ND	1,000	4199.00	CRF05-1A
4	SPST-NO	8.6	4.4	170	0.5	SMD	374-1042-1-ND	10.71	9.27	7.94	374-1042-2-ND	1,000	5480.00	CRF05-1AS
	SPST-NO	2.8	2.05	30	100	SMD	374-1045-1-ND	14.49	12.77	11.22	—	—	—	MMS-B-2
5	SPST-NO	15.2	6.8	200	0.5	PCB Pins	374-1047-5-ND							