

HAMLIN Reed Switches and Magnets

HAMLIN

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MAGNETIC/REED SWITCHES

Switches are activated by a magnetic field from either a magnet or coil. Contacts are hermetically sealed in inert gas to provide long life with stable electrical and operating characteristics. NO = Normally Open; CO = Changeover. Combination of switching voltage and current should not exceed wattage rating.

Applications:

- Reed relays
- Telecons
- Household appliances
- Office equipment
- Limit switching
- Security

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Contact Form	Voltage		Operate & Release Time (ms)	Pull-In Range (AT)	Switch Dimensions: mm (in.)			Price Each					
Mfr.	Mfr. Part No.			Switching	Breakdown			Glass Body Size		Lead	1	10	25	100		
								Length (A)	x Diameter (B)						Length (C)	
DRR-129 Standard Series - Big, High Power																
934	—DRR-12942-48	A	1 Form A (SPST-NO)	240VAC	600VDC	4.5, 2.5	42 to 48	50.8 (2) x 5.25 (0.207)	12.7 (0.5)	5.33	4.63	4.17	3.70			
934	—DRR-12942-83	A	1 Form A (SPST-NO)	240VAC	600VDC	4.5, 2.5	42 to 83	50.8 (2) x 5.25 (0.207)	12.7 (0.5)	5.33	4.63	4.17	3.70			
934	—DRR-12947-68	A	1 Form A (SPST-NO)	240VAC	600VDC	4.5, 2.5	47 to 68	50.8 (2) x 5.25 (0.207)	12.7 (0.5)	5.33	4.63	4.17	3.70			
934	—DRR-12967-73	A	1 Form A (SPST-NO)	240VAC	600VDC	4.5, 2.5	67 to 73	50.8 (2) x 5.25 (0.207)	12.7 (0.5)	5.33	4.63	4.17	3.70			
DRR-DTH Non-Standard (Axial), Magnetic Series - Big Power Form C (SPDT)																
934	—DRR-DTH75-80	A	1 Form C (SPDT)	500VDC	1200VDC	4.5, 7	75 to 80	39.67 (1.562) x 5.53 (0.21)	25.4 (1)	13.31	12.65	11.32	10.32			
DRT-DTH Non-Standard (Axial), Magnetic Series - Big High Power Form C (SPDT)																
934	—DRT-DTH50-65	A	1 Form C (SPDT)	500VDC	1000VDC	5.5, 8	50 to 65	39.67 (1.562) x 5.53 (0.21)	25.4 (1)	15.75	14.96	13.38	12.20			
FLEX-14 Sub-miniature Series - Flexible Leads (14mm glass body)																
934	—FLEX-1410-15	A	1 Form A (SPST-NO)	200VDC	250VDC	0.55, 0.2	10 to 15	14 (0.551) x 2.28 (0.09)	14.8 (0.583)	1.02	.902	.812	.794			
934	—FLEX-1415-20	A	1 Form A (SPST-NO)	200VDC	250VDC	0.55, 0.2	15 to 20	14 (0.551) x 2.28 (0.09)	14.8 (0.583)	1.02	.902	.812	.794			
HA15-2 Sub-miniature Series																
934	—HA15-217-23	A	1 Form A (SPST-NO)	265 VAC/200VDC	400VDC	0.6, 0.2	17 to 23	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.94	1.70	1.53	1.50			
934	—HA15-222-28	A	1 Form A (SPST-NO)	265 VAC/200VDC	450VDC	0.6, 0.2	22 to 28	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.94	1.70	1.53	1.50			
MACD-14 Sub-miniature Series																
934	—MACD-14-10-15	A	1 Form A (SPST-NO)	200VDC	200VDC	0.75, 0.3	10 to 15	20.32 (.800) x 2.84 (.112)	18.16 (.715)	1.21	1.06	.962	.94			
934	—MACD-14-15-20	A	1 Form A (SPST-NO)	200VDC	200VDC	0.75, 0.3	15 to 20	20.32 (.800) x 2.84 (.112)	18.16 (.715)	1.21	1.06	.962	.94			
934	—MACD-14-20-25	A	1 Form A (SPST-NO)	200VDC	200VDC	0.75, 0.3	20 to 25	20.32 (.800) x 2.84 (.112)	18.16 (.715)	1.21	1.06	.962	.94			
MARR-5 Miniature HV Series - Key Features: Very High Voltage																
934	—MARR-517-23	A	1 Form A (SPST-NO)	1000VDC	2000VDC	0.75, 0.3	17 to 23	19.69 (0.775) x 2.66 (0.105)	17.39 (0.685)	3.39	3.26	3.05	2.37			
934	—MARR-522-33	A	1 Form A (SPST-NO)	1000VDC	2000VDC	0.75, 0.3	22 to 33	19.69 (0.775) x 2.66 (0.105)	17.39 (0.685)	3.38	3.25	2.98	2.37			
MASM-14 Sub-miniature Surface Mount Series																
934	—MASM-14-10-15	B	1 Form A (SPST-NO)	200VDC	200VDC	0.6, 0.2	10 to 15	14 (.551) x 2.28 (.90)	3.52 (.138)	1.40	1.23	1.11	1.08			
934	—MASM-14-15-20	B	1 Form A (SPST-NO)	200VDC	200VDC	0.6, 0.2	15 to 20	14 (.551) x 2.28 (.90)	3.52 (.138)	1.40	1.23	1.11	1.08			
MDCG-4 Sub-miniature Changeover Series - Key Features: General Purpose Switch																
934	—MDCG-412-18	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	12 to 18	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
934	—MDCG-412-23	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	12 to 23	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
934	—MDCG-412-33	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	12 to 33	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
934	—MDCG-427-33	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	27 to 33	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
MDRR-DT Miniature Surface Mount Series - Small Form C (SPDT)																
934	—MDRR-DT15-20F	A	1 Form C (SPDT)	175VDC	200VDC	0.7, 1	15 to 20	14.73 (0.58) x 2.54 (0.1)	17.78 (0.7)	3.92	3.67	3.43	2.69			
934	—MDRR-DT15-25F	A	1 Form C (SPDT)	175VDC	200VDC	0.7, 1	15 to 25	14.73 (0.58) x 2.54 (0.1)	17.78 (0.7)	3.92	3.67	3.43	2.69			
934	—MDRR-DT25-30F	A	1 Form C (SPDT)	175VDC	200VDC	0.7, 1	25 to 30	14.73 (0.58) x 2.54 (0.1)	17.78 (0.7)	3.92	3.67	3.43	2.69			
934	—MDRR-DT30-35U	A	1 Form C (SPDT)	175VDC	200VDC	0.7, 1	30 to 35	14.73 (0.58) x 2.54 (0.1)	17.78 (0.7)	3.85	3.61	3.37	2.64			
MDSM-10/4 Sub-miniature Surface Mount Series																
934	—MDSM-4R12-18	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	12 to 18	15.24 (0.6) x 2.28 (0.09)	2.34 (0.92)	1.45	1.28	1.15	1.12			
MDSR-10 Sub-miniature Series - Very Small (10mm glass body)																
934	—MDSR-10AW10-15	A	1 Form A (SPST-NO)	200VDC	250VDC	0.5, 0.1	10 to 15	10.16 (0.4) x 1.8 (0.071)	15.11 (0.595)	1.40	1.23	1.11	1.08			
934	—MDSR-10AW15-20	A	1 Form A (SPST-NO)	200VDC	250VDC	0.5, 0.1	15 to 20	10.16 (0.4) x 1.8 (0.071)	15.11 (0.595)	1.40	1.23	1.11	1.08			
934	—MDSR-10AW20-25	A	1 Form A (SPST-NO)	200VDC	250VDC	0.5, 0.1	20 to 25	10.16 (0.4) x 1.8 (0.071)	15.11 (0.595)	1.40	1.23	1.11	1.08			
MDSR-4 Sub-miniature Series																
934	—MDSR-412-23	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	12 to 23	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	.54	.475	.428	.418			
934	—MDSR-422-38	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	22 to 38	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
934	—MDSR-427-33	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	27 to 33	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
934	—MDSR-432-38	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	32 to 38	15.24 (0.6) x 2.28 (0.09)	12.19 (0.48)	1.16	1.02	.919	.899			
MDSR-7 Sub-miniature Series - Small (12.7mm glass body)																
934	—MDSR-710-15	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	10 to 15	12.7 (0.5) x 1.8 (0.071)	13.46 (0.53)	1.32	1.16	1.04	1.02			
934	—MDSR-710-20	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	10 to 20	12.7 (0.5) x 1.8 (0.071)	13.46 (0.53)	1.32	1.16	1.04	1.02			
934	—MDSR-715-20	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	15 to 20	12.7 (0.5) x 1.8 (0.071)	13.46 (0.53)	1.32	1.16	1.04	1.02			
934	—MDSR-720-25	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	20 to 25	12.7 (0.5) x 1.8 (0.071)	13.46 (0.53)	1.32	1.16	1.04	1.02			
MITI-3V1 Ultra-miniature Series - Ultra Small (7mm glass body)																
934	—MITI-3V16-12.5	A	1 Form A (SPST-NO)	170VDC	175 VDC	0.45, 0.2	6 to 12.5	7 (0.276) x 1.8 (0.071)	19.5 (0.778)	1.96	1.89	1.77	1.38			
MLRR-3 Miniature CD Series - Long Leads, Switching Load/Life																
934	—MLRR-317-23	A	1 Form A (SPST-NO)	200VDC	250VDC	0.7, 0.2	17 to 23	15.24 (0.6) x 2.66 (0.105)	20.19 (0.795)	1.32	1.16	1.04	1.02			
934	—MLRR-322-28	A	1 Form A (SPST-NO)	200VDC	250VDC	0.7, 0.2	22 to 28	15.24 (0.6) x 2.66 (0.105)	20.19 (0.795)	1.32	1.16	1.04	1.02			
934	—MLRR-332-38	A	1 Form A (SPST-NO)	200VDC	250VDC	0.7, 0.2	32 to 38	15.24 (0.6) x 2.66 (0.105)	20.19 (0.795)	1.32	1.16	1.04	1.02			
MLRR-4 Sub-miniature CD Series - Small Hysteresis (Differential)																
934	—MLRR-417-23	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	17 to 23	15.24 (0.6) x 2.54 (0.1)	12.19 (0.48)	1.40	1.23	1.11	1.08			
934	—MLRR-422-28	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	22 to 28	15.24 (0.6) x 2.54 (0.1)	12.19 (0.48)	1.40	1.23	1.11	1.08			
934	—MLRR-427-33	A	1 Form A (SPST-NO)	200VDC	250VDC	0.6, 0.2	27 to 33	15.24 (0.6) x 2.54 (0.1)	12.19 (0.48)	1.40	1.23	1.11	1.08			

MAGNETS

These interchangeable magnets are for use with above reed switches. Not UL recognized.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Hamlin Part No.	Dimensions: in.	Gauss at Pole Reference	Pull-In (AT)	Price Each			
					1	10	25	100
934-CM-1	CM-1	-	-	-	2.14	1.73	1.27	1.15
934-315	315	0.12 Diameter/0.59	1000	10-38	2.37	2.27	2.09	1.66
934-420	420	0.15 Diameter/0.78	1150	10-38	2.86	2.20	1.63	1.55
934-625	625	0.23 Diameter/0.98	1500	10-68	5.30	4.61	3.92	3.69
934-H-31	H-31	0.062 Square x 0.50	1300	10-38	2.03	1.65	1.21	1.10
934-H-32	H-32	0.19 Square x 1.00	1400	10-38	3.69	3.46	2.77	2.53
934-H-33	H-33	0.12 Square x 0.75	1200	10-38	2.07	1.68	1.23	1.12
934-H-34	H-34	0.24 Square x 1.00	1300	10-68	4.69	4.08	3.47	3.26
934-H-36	H-36	0.182 Diameter/1.00	1600	10-68	2.48	2.39	2.19	1.74