

NKK Rotary Switches



NKK MR SERIES: HALF-INCH PROCESS SEALED ROTARY SWITCHES

- Power rating: 125VAC for MRA, MRX, & MRY; 28VAC for MRF & MRK
- Shaft actuated switches are supplied with knob and mounting hardware



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Poles and Circuits	Power Rating	Price Each			
					1	25	50	100
Shaft Actuated w/ PC Terminals								
633-MRA112A	MRA112-A-RO	A	SP, 2-12 positions	250mA	9.39	8.80	8.31	7.83
633-MRA206A	MRA206-A-RO	A	DP, 2-6 positions	250mA	12.01	11.56	11.20	10.91
633-MRA403A	MRA403-A-RO	A	4P, 2-3 positions	250mA	15.31	14.03	13.60	12.71
Low Profile Shaft Actuated w/ PC Terminals								
633-MRK112A	MRK112-A-RO	B	SP, 2-12 positions	0.4VA	12.47	11.92	11.38	10.30
633-MRK206A-RO	MRK206-A-RO	B	DP, 2-6 positions	0.4VA	12.83	12.28	11.72	10.60
633-MRK403A-RO	MRK403-A-RO	B	4P, 2-3 positions	0.4VA	8.46	8.19	7.94	7.67
Shaft Actuated w/ PC Turret Terminals (Not Process Sealed)								
633-MRX108A-RO	MRX108-A-RO	C	SP, 2-8 positions	2A	10.09	9.31	9.02	8.80
633-MRX204A-RO	MRX204-A-RO	C	DP, 2-4 positions	2A	15.11	14.45	13.80	13.14
Shaft Actuated w/ Turret Terminals (Not Process Sealed)								
633-MRY106A-RO	MRY106-A-RO	D	SP, 2-6 positions	3A	7.85	7.59	7.35	7.00

NKK HIGH CAPACITY ROTARY SWITCHES

- Number of Positions: 2-11
- Nonshorting Circuits (Shorting Circuits are also available, call for details)

- D-Flat Shaft
- 30° Indexing
- HS, TS, and PS Series



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MOUSER STOCK NO.	NKK Part No.	Fig.	Pole	Number of Terminals	Termination	Price Each			
						1	25	50	100
Resistive Load: 6A @ 125/250VAC									
633-TS-1N-RO	TS1N-RO	E	1	1 COM, 11 LOAD	Screw terminals	29.00	26.32	24.72	23.13
633-TS-2N-RO	TS2N-RO	E	2	2 COM, 22 LOAD	Screw terminals	37.97	35.85	33.68	31.51
633-TS-3N-RO	TS3N-RO	E	3	3 COM, 33 LOAD	Screw terminals	48.31	45.61	42.84	40.08
633-TS-4N-RO	T4N-RO	E	4	4 COM, 44 LOAD	Screw terminals	74.87	72.51	68.98	64.53
633-TS-5N-RO	TS5N-RO	E	5	5 COM, 55 LOAD	Screw terminals	99.67	95.06	89.30	83.53
Resistive Load: 12A @ 125VAC; 6A @ 250VAC									
633-HS16-1N-RO	HS16-1N-RO	F	1	1 COM, 11 LOAD	Solder lug	17.00	15.43	14.49	13.56
633-HS16-2N	HS16-2N-RO	F	2	2 COM, 22 LOAD	Solder lug	23.45	22.14	20.80	19.46
633-HS16-3N-RO	HS16-3N-RO	F	3	3 COM, 33 LOAD	Solder lug	31.04	29.32	27.54	25.77
633-HS16-4N-RO	HS16-4N-RO	F	4	4 COM, 44 LOAD	Solder lug	54.40	51.36	48.25	45.14
Resistive Load: 30A @ 125/250VAC									
633-PS-1N-RO	PS1N-RO	G	1	1 COM, 11 LOAD	Screw terminals	33.91	30.78	28.91	27.05
633-PS-3N-RO	PS3N-RO	G	3	3 COM, 33 LOAD	Screw terminals	67.54	65.43	62.23	58.22
633-PS-4N-RO	PS4N-RO	G	4	4 COM, 44 LOAD	Screw terminals	86.97	84.26	80.14	74.97

NKK KNOBS



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MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each			
				1	25	50	100
633-AT431	AT431	H	Large Knob, Black	3.74	3.43	3.30	3.05
633-AT432	AT432	I	Small Knob, Black	3.19	3.09	3.00	2.91

NKK FR SERIES: 10MM ULTRA-THIN DIP ROTARY SWITCHES

Specifications:

- Power Rating: 100mA @ 5VDC switching; 100mA @ 50VDC non-switching
- Contact resistance: 100mΩ max.
- Insulation resistance: 1000MΩ min. @ 250VDC
- Dielectric strength: 250VAC min. for 1 minute

Features:

- Environmentally friendly
- Slim: .150" (3.8mm) body
- Highly visible legends
- Gold plated contacts
- Actuator knob available for screwdriver adjusted



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MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
Shaft Actuated								
633-FR01KC10P	FR01KC10P	J	BCD, Complement	Straight PCB	3.00	2.70	2.50	2.41
633-FR01KC16P	FR01KC16P	J	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.50	2.41
633-FR01KR10P	FR01KR10P	J	BCD, Real	Straight PCB	3.00	2.70	2.50	2.41
633-FR01KR16P	FR01KR16P	J	Hexadecimal, Real	Straight PCB	3.00	2.70	2.50	2.41
633-FR01KR10H	FR01KR10H-S	K	BCD, Real	R/A PCB	3.25	2.84	2.60	2.21
633-FR01KR16H	FR01KR16H	K	Hexadecimal, Real	R/A PCB	3.73	3.36	2.99	2.62
Screwdriver Actuated								
633-FR01FC10P	FR01FC10P	L	BCD, Complement	Straight PCB	3.00	2.70	2.50	2.41
633-FR01FC16P	FR01FC16P	L	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.50	2.41
633-FR01FR16P	FR01FR16P	L	Hexadecimal, Real	Straight PCB	3.00	2.70	2.50	2.41
633-FR01FC16H	FR01FC16H	M	Hexadecimal, Complement	R/A PCB	3.73	3.36	2.99	2.62
633-FR01FR10H	FR01FR10H	M	BCD, Real	R/A PCB	3.73	3.36	2.99	2.62
Snap-On Knob for Screwdriver Actuated								
633-AT4180	AT4180	N	Snap-On Knob	—	.66	.59	.53	.49

