
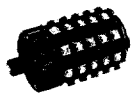














SELECTOR GUIDE ROTARY SWITCHES


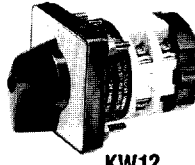
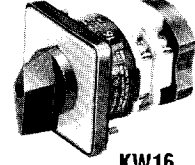
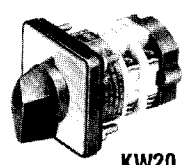
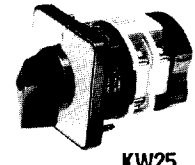
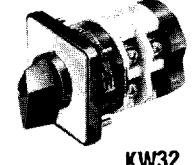

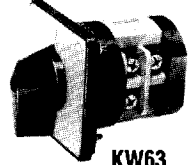
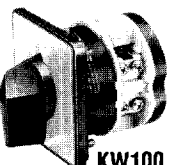
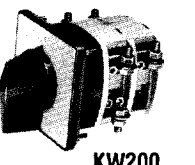
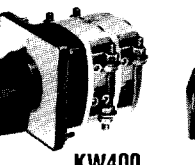
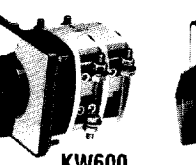

DETENT & SNAP-ACTION POWER SWITCHES

 CHARACTERISTICS	DETENT SWITCHES									SNAP ACTION SWITCHES			
	SERIES NU	SERIES W-2	SERIES W	SERIES 21	SERIES 24	SERIES 25	SERIES 28	SERIES 31	SERIES 31	SERIES 101	SERIES 103	SERIES 105	SERIES 107
													
SECTIONS	1-5	1-8	2-10	1-30	1-10	1-25	1-15	1-10	1-10	1-12	1-12	1-8	1-8
POLES	1-10	1-48	2-10	1-60	1-20	1-75	1-30	1-20	1-20	1-12	1-12	1-8	1-8
POSITIONS	2-8	2-12	2-12	2-8	2-8	2-12	2-16	2-8	2-8	2-4	2-4	2-4	2-4
DETENTING ANGLE	45°	30°	30°,45°,60°,90°	45°	45°	30°	22½°	45°	45°	90°	90°	90°	90°
ELECTRICAL RATINGS													
Continuous Rating	5A-250VAC	20A-600V	20A-600V	15A-600V	30A-600V	10A-600V	5A-600V	15A-600V	15A-600V	20A-600V	45A-600V	75A-600V	200A-600V
Interrupting Current													
120VAC	5A	30A (110VAC)	50A(125VAC)	15A	20A	10A	5A	10A	10A	15A	40A	60A	200A
240VAC	3A	20A	25A(250VAC)	7½A	15A	5A	3A	5A	5A	10A	40A	60A	200A
600VAC		8A	5A	4A	6A	3A	2A	3A	3A	5A	15A	60A	200A
24VDC	5A			10A		7½A	5A	5A	5A	15A	30A	60A	200A
125VDC		5A	8A	2A	3A			1A	1A	10A	30A	60A	on request
250VDC		1.65A		30A	1A			60A	60A	5A	30A	60A	on request
Max. Breaking Ability	60A			30A		75A	15A	60A	60A	90A	180A	360A	600A
Max. Making Ability	60A			30A		75A	15A	60A	60A	90A	180A	360A	600A
Momentary Current													
1 second	60A												
3 seconds	30A			140A	200A	75A		90A	90A	140A	300A	300A	
30 seconds				45A	75A	30A		35A	35A	45A	125A	250A	
60 seconds				35A	60A	25A		25A	25A	35A	100A	175A	
Overload Current (50 operations)													
120VAC				30A	95A	75A	15A	60A	60A	90A	180A	360A	600A
240VAC					65A	20A		45A	45A				
600VAC					35A			20A	20A				
24VDC								30A	30A				
125VDC								15A	15A				
250VDC													
Dielectric Strength	1500 VRMS	2200 VRMS		2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS	2200 VRMS
Insulation Resistance	100 megohms			100 megohms	100 megohms	100 megohms	100 megohms	100 megohms	100 megohms	100 megohms	100 megohms	100 megohms	100 megohms
Contact Resistance	10 milliohms	10 milliohms		10 milliohms	10 milliohms	10 milliohms	10 milliohms	10 milliohms	10 milliohms	20 milliohms	10 milliohms	6 milliohms	1.5 milliohms
HORSEPOWER RATINGS													
3-phase ratings - Reduce by ½ for 1-phase										½ hp			
110/120 VAC										½ hp			
220/240 VAC													
440/480 VAC													
550/600 VAC													
MOUNTINGS													
Single-Hole	Yes							Yes		Yes			
2-Hole		Yes			3-hole								
4-Hole			3-hole						Yes				
Base-mount				Yes		Yes	Yes			Yes	Yes	Yes	Yes
Waterproof-mount	Yes			Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes
Door-mount													
LOCKING FEATURES													
Key-interlock		Yes	Yes	Yes	Yes	Yes	Yes						
Push-to-turn		Pull-to-turn	Pull-to-turn	Yes	Yes	Yes	Yes						
Solenoid-lock				Yes	Yes	Yes	Yes						
SPECIAL DRIVES													
Key-operated													
Solenoid-operated					Yes			Yes					
Ganged Gear-operated				Yes	Yes	Yes	Yes		Yes				
Spring Return		Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes			
APPROVALS													
U/L	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CSA Certified				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

See OTHER SIDE for Cam-action Switches

SELECTOR GUIDE ROTARY SWITCHES

CAM-ACTION POWER SWITCHES

 CHARACTERISTICS	 KW12	 KW16	 KW20	 KW25	 KW32	 KW40	 KW63	 KW100	 KW200	 KW400	 KW600	 KW800
SECTIONS POLES POSITIONS DETENTING ANGLE	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	1-12 1-24 2-12 30, 45, 60, 90	2-12 1-12 2-12 30, 45, 60, 90	3-12 1-8 2-8 30, 45, 60, 90	4-12 1-6 2-6 30, 45, 60, 90
ELECTRICAL RATINGS Continuous Rating Interrupting Current 120VAC 240VAC 600VAC 24VDC	20A-240VAC 12A 12A 12A	25A-600VAC 16A 16A 16A	25A-240VAC 20A 20A 20A	32A-600VAC 25A 25A 25A	40A-600VAC 32A 32A 32A	63A-600VAC 40A 40A 40A	80A-600VAC 63A 63A 63A	125A-600VAC 100A 100A 100A	200A-600VAC 200A 200A 200A	400A-600VAC 400A-600VAC 400A-600VAC	600A-600VAC 600A-600VAC 600A-600VAC	800A-600VAC 800A-600VAC 800A-600VAC
Momentary Current 1 second	275A	550A	407A	690A	725A	914A	2500A	3000A	4400A	4400A	4400A	4400A
Overload Current (50 operations) 240VAC 600VAC	40.8A	91.2A	91.2A	132A 102A	168A 132A	252A 168A	324A 252A	480A 312A	924A 372A	924A 372A	924A 372A	924A 372A
Dielectric Strength Insulation Resistance Contact Resistance	1500VRMS 100 megohms 30 milliohms	2200VRMS 100 megohms 30 milliohms	1500VRMS 100 megohms 30 milliohms	2200VRMS 100 megohms 30 milliohms	2200VRMS 100 megohms 30 milliohms	2200VRMS 100 megohms 10 milliohms	2200VRMS 100 megohms 10 milliohms	2200VRMS 100 megohms 5 milliohms	2200VRMS 100 megohms 5 milliohms	2200VRMS 100 megohms 5 milliohms	2200VRMS 100 megohms 5 milliohms	2200VRMS 100 megohms 5 milliohms
HORSEPOWER RATINGS 3-phase ratings - Reduce by 1/2 for 1-phase 220/240VAC 440/480VAC 550/600VAC	2 HP	5 HP 10 HP 10 HP	5 HP	7.5 HP 15 HP 15 HP	10 HP 20 HP 20 HP	15 HP 25 HP 25 HP	20 HP 40 HP 40 HP	30 HP 50 HP 50 HP	60 HP 75 HP 60 HP			
MOUNTINGS Single-Hole 2-Hole 4-Hole Base-mount Waterproof-mount Door-mount	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes
LOCKING FEATURES Key-interlock Padlock	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes
SPECIAL DRIVES Key-operated Ganged Gear-operated Spring Return	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes
APPROVALS U/L Listed CSA Certified	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Listed Yes Yes	Recognized Yes Yes			

See OTHER SIDE for Detent & Snap-action switches