

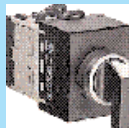
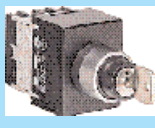





























Rotary Cam Switches
standard versions

PR12 series

IP40 standard IP65 on request

UL / CSA / CE

PR12											
UL508	12A general use - inductive load			EN48MD50	EC21RA03	EC21RB03	EC21RC00				
	1-phase	110/120Vac	0.5HP								
	3-phase	220/240Vac	3.0HP								
		440/480Vac	5.0HP								
		550/600Vac	3.0HP								
IEC 947-3	AC21 - 16A resistive load AC20 - 20A continuous			22mm single hole mount small gray/black handle 48mm square legend	22mm single hole mount small black knob handle no legend plate	22mm single hole mount small black lever handle no legend plate	22mm single hole mount key lock switch no legend plate				
Diagram	Positions	Function	Contacts	Part Number	Price	Part Number	Price	Part Number	Price	Part Number	Price
On/Off switch											
1101 A4		1 pole	1	NB01AX80	\$24.44	NB01AC113	\$22.26	NB01AC123	\$23.41	NB01AC1C1	\$37.03
1102 A4		2 poles	2	NB02AX80	\$27.99	NB02AC113	\$25.80	NB02AC123	\$26.96	NB02AC1C1	\$40.58
1103 A4		3 poles	3	NB03AX80	\$31.13	NB03AC113	\$28.94	NB03AC123	\$30.10	NB03AC1C1	\$43.71
1104 A4		4 poles	4	NB04AX80	\$34.23	NB04AC113	\$32.04	NB04AC123	\$33.20	NB04AC1C1	\$46.81
Main Switch											
1103 GN		3 pole + gnd	3								
1104 GN		3 pole + late break neutral	4								
Change-Over Switch with "OFF"											
2201 C8		1 pole	2	NC01GX80	\$27.99	NC01GC113	\$25.80	NC01GC123	\$26.96	NC01GC1C1	\$40.58
2202 C8		2 poles	4	NC02GX80	\$34.23	NC02GC113	\$32.04	NC02GC123	\$33.20	NC02GC1C1	\$46.81
2203 C8		3 poles	6	NC03GX80	\$41.75	NC03GC113	\$39.56	NC03GC123	\$40.72	NC03GC1C1	\$54.34
2204 C8		4 poles	8	NC04GX80	\$48.66	NC04GC113	\$46.48	NC04GC123	\$47.63	NC04GC1C1	\$61.25
Change-Over Switch without "OFF"											
2251 D4		1 pole	2	NC51DX80	\$27.99	NC51DC113	\$25.80	NC51DC123	\$26.96		
2252 D4		2 poles	4	NC52DX80	\$34.23	NC52DC113	\$32.04	NC52DC123	\$33.20		
2253 D4		3 poles	6	NC53DX80	\$41.75	NC53DC113	\$39.56	NC53DC123	\$40.72		
2254 D4		4 poles	8	NC54DX80	\$48.66	NC54DC113	\$46.48	NC54DC123	\$47.63		
3-Way Selector Switch with "OFF"											
2301 A4		1 pole	3	ND01AX80	\$31.13	ND01AC113	\$28.94	ND01AC123	\$30.10	ND01AC1C1	\$43.71
2302 A4		2 poles	6	ND02AX80	\$41.75	ND02AC113	\$39.56	ND02AC123	\$40.72	ND02AC1C1	\$54.34
2303 A4		3 poles	9	ND03AX80	\$56.54	ND03AC113	\$54.36	ND03AC123	\$55.52	ND03AC1C1	\$69.14
3-Phase Motor Switches											
9151 C8		Forward/reverse 1 speed	5	NZ11GX80	\$39.77	NZ11GC113	\$37.59	NZ11GC123	\$38.74	NZ11GC1C1	\$52.36
9153 C8		Wye/delta starter for./rev., 1 speed	10	NZ13GX80	\$58.78	NZ13GC113	\$56.60	NZ13GC123	\$57.75	NZ13GC1C1	\$71.38
9551 B4		Wye/delta starter 1 direction, 1 spd.	8	NZ51GX80	\$48.66	NZ51GC113	\$46.48	NZ51GC123	\$47.63	NZ51GC1C1	\$61.25
9552 B4		Dahlander starter 1 direction, 2 spd.	8	NZ52GX80	\$48.66	NZ52GC113	\$46.48	NZ52GC123	\$47.63	NZ52GC1C1	\$61.25
9552 C4		Dahlander starter 1 direction, 2 spd.	8	NZ52CX80	\$48.66	NZ52CC113	\$46.48	NZ52CC123	\$47.63	NZ52CC1C1	\$61.25
Ammeter Switch - 3 phase											
8151 A4		3 current xfmrs with common point	6	NY11AX80	\$41.75	NY11AC113	\$39.56	NY11AC123	\$40.72	NY11AC1C1	\$54.34
8164 A4		Without current transformers	9	NY14AX80	\$56.54	NY14AC113	\$54.36	NY14AC123	\$55.52	NY14AC1C1	\$69.14
8157 A4		3 current xfmrs without common pt.	9	NY17AX80	\$56.54	NY17AC113	\$54.36	NY17AC123	\$55.52	NY17AC1C1	\$69.14
Voltmeter Switch - 3 phase											
8351 A4		Without neutral	4	NY31AX80	\$34.23	NY31AC113	\$32.04	NY31AC123	\$33.20	NY31AC1C1	\$46.81
8357 C8		With neutral	6	NY37GX80	\$41.75	NY37GC113	\$39.56	NY37GC123	\$40.72	NY37GC1C1	\$54.34

Rotary Cam Switches
standard versions

PR12 series

IP40 standard IP65 on request




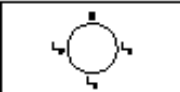




UL / CSA / CE

PR12				EQ48PN		BPRQ48PN		BCQ3		EJ483PND51	
UL508 12A general use - inductive load				panel mount two screw small gray/black handle 48mm square legend		reduced size enclosure small gray/black handle 48mm square legend		standard size enclosure small black handle 64mm square legend		panel mount two screw yellow/red handle padlockable legend plate	
1-phase 110/120Vac 0.5HP 3-phase 220/240Vac 3.0HP 440/480Vac 5.0HP 550/600Vac 3.0HP											
IEC 947-3 AC21 - 16A resistive load AC20 - 20A continuous											
Diagram	Positions	Function	Contacts	Part Number	Price	Part Number	Price	Part Number	Price	Part Number	Price
On/Off switch											
1101 A4		1 pole		NB01AQ1	\$18.81	NB01AGQ	\$32.09	NB01AXQ	\$43.54		
1102 A4		2 poles		NB02AQ1	\$22.36	NB02AGQ	\$35.64	NB02AXQ	\$47.09		
1103 A4		3 poles		NB03AQ1	\$25.50	NB03AHQ	\$39.58	NB03AXQ	\$50.23		
1104 A4		4 poles		NB04AQ1	\$28.60	NB04AHQ	\$42.68	NB04AXQ	\$53.33		
Main Switch											
1103 GN		3 pole + gnd								NS3EV493	\$35.18
1104 GN		3 pole + late break neutral								NS4EV493	\$36.21
Change-Over Switch with "OFF"											
2201 C8		1 pole		NC01GQ1	\$22.36	NC01GCQ	\$35.64	NC01GXQ	\$47.09		
2202 C8		2 poles		NC02GQ1	\$28.60	NC02GHQ	\$42.68	NC02GXQ	\$53.33		
2203 C8		3 poles		NC03GQ1	\$36.12			NC03GXQ	\$60.85		
2204 C8		4 poles		NC04GQ1	\$43.04			NC04GXQ	\$79.06		
Change-Over Switch without "OFF"											
2251 D4		1 pole		NC51DQ1	\$22.36	NC51DGQ	\$35.64	NC51DXQ	\$47.10		
2252 D4		2 poles		NC52DQ1	\$28.60	NC52DHQ	\$42.68	NC52DXQ	\$53.33		
2253 D4		3 poles		NC53DQ1	\$36.12			NC53DXQ	\$60.85		
2254 D4		4 poles		NC54DQ1	\$43.04			NC54DXQ	\$79.06		
3-Way Selector Switch with "OFF"											
2301 A4		1 pole		ND01AQ1	\$25.50	ND01AHQ	\$39.58	ND01AXQ	\$50.23		
2302 A4		2 poles		ND02AQ1	\$36.12			ND02AXQ	\$60.85		
2303 A4		3 poles		ND03AQ1	\$50.92			ND03AXQ	\$86.94		
3-Phase Motor Switches											
9151 C8		forward/reverse 1 speed	5	NZ11GQ1	\$34.14			NZ11GXQ	\$58.87		
9153 C8		wye/delta starter for./rev., 1 speed	10	NZ13GQ1	\$53.15			NZ13GXQ	\$89.18		
9551 B4		wye/delta starter 1 direction, 1 spd.	8	NZ51BQ1	\$43.04			NZ51BXQ	\$79.06		
9552 B4		Dahlander starter 1 direction, 2 spd.	8	NZ52BQ1	\$43.04			NZ52BXQ	\$79.06		
9552 C4		Dahlander starter 1 direction, 2 spd.	8	NZ52CQ1	\$43.04			NZ52CXQ	\$79.06		

L1		L2		L3		L4		L5		Contacts	L1/L5	L2	L3	L4
										1-2	1.42"	2.01"	1.81"	3.03"
										3-4	1.81"	2.40"	2.28"	3.03"
										5-6	2.20"	2.80"	n/a	3.03"
										7-8	2.60"	3.19"	n/a	3.98"
										9-10	2.99"	3.58"	n/a	3.98"

Rotary Cam Switches
standard versions

PR12 series

PR12 UL508 12A general use - inductive load 1-phase 110/120Vac 0.5HP 3-phase 220/240Vac 3.0HP 440/480Vac 5.0HP 550/600Vac 3.0HP IEC 947-3 AC21 - 16A resistive load AC20 - 20A continuous					PR12 cam switch for In-Panel mounting. Switch mounts to 35mm Din-Rail. Other standard and custom contact diagrams available. 6 contacts maximum.	
Diagram	Function	Contacts	Legend Plate	Part Number	List Price	
8351 A4	Voltmeter 3-phase without neutral	4		NDF01	\$47.15	
8151 A4	Ammeter 3-phase 3 current transformers with common point	6		NDF02	\$54.38	
8357 C8	Voltmeter 3-phase with neutral	6		NDF03	\$54.38	
2202 CR12	2-pole 2-way change-over switch with off spring return to off	4		NDF05	\$47.15	
2401 B8	1-pole 4-way selector switch with off	4		NDF06	\$47.15	
2202 C8	2-pole 2-way change-over switch with off	4		NDF15	\$47.15	

22mm single hole mounting operator heads

*For other collar options see page 3-58

Handle		
Color	Reference	List Price
Red	C21RA01	\$9.12
Green	C21RA02	
Black	C21RA03	
Gray	C21RA08	

Lever Handle		
Color	Reference	List Price
Red	C21RB01	\$10.28
Green	C21RB02	
Black	C21RB03	
Gray	C21RB08	

Key Lock 45°/90° Switching Angle		
Reference	Key Removable in Positions	List Price
C21RC00	1,3,5,7	\$23.89
C21RD00	3,7	
C21RE00	1,5	
C21RF00	2,4,6,8	
C21RG00	2,8	
C21RH00	4,8	

Key Lock 30°/60° Switching Angle		
Reference	Key Removable in Positions	List Price
C21RJ00	1,3,5,7,9,11	\$23.89
C21RK00	1,7	
C21RQ00	3,9	
C21RR00	5,11	
C21RL00	2,4,6,8,10,12	
C21RM00	4,10	
C21RS00	2,8	
C21RT00	6,12	