

NKK® Environmentally Sealed Switches

For use in outdoor or harsh applications. Toggles: Single and double pole. Rockers and pushbuttons: Single pole. Silver contacts, epoxy sealed solder lug or screw terminals or 7" wire leads, meets IP67 of IEC529 standards. Solder lug terminals have .094" dia. holes. Solder lug and screw models are dust tight and water protected at front panel, wire lead models also dust tight and water protected behind panel. **Electrical Capacity:** Toggle and pushbuttons: 10A @ 125V AC; 6A @ 120VAC -WB Series only; Rockers: 15A @ 125V AC. **Dielectric Strength:** Toggles and Pushbuttons: 1,500V AC minimum; Rockers: 3,750V AC minimum between contacts and case. **Mechanical Life:** Toggles: 30,000 operations min.; Rockers: 30,000 operations min.; Pushbuttons: 30,000 operations min. for On-On, 30,000 operations min. for On-Mom. **Electrical Life:** 15,000 operations min. (10,000 for momentary rockers). **Operating Temperature:** -30°C through +70°C (toggles and pushbutton); -25°C - +85°C (rockers). **Angle of Throw:** 24° (toggles & rockers). **Panel Thickness:** .157". **Standard Hardware:** 1 hex nut, 1 locking ring, 1 O-ring (toggles and pushbuttons)

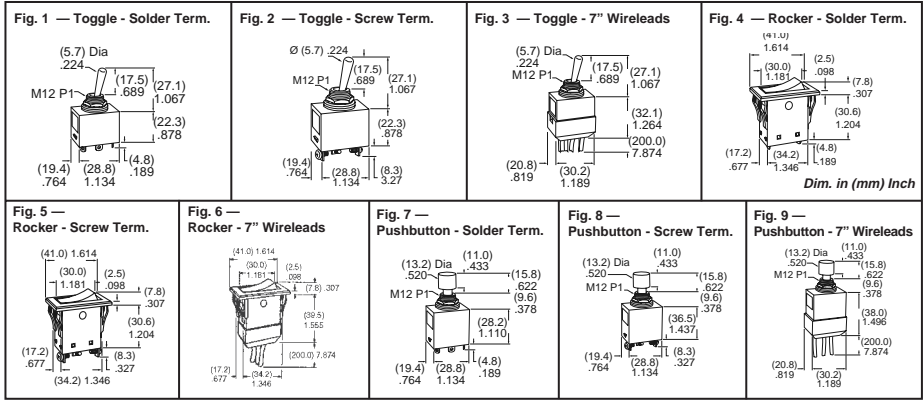
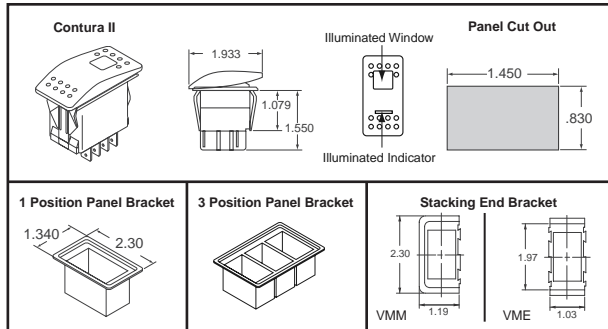


Fig.	Switching Circuit	Function	Digi-Key Part No.	1	Price Each 25	100	NKK Part No.
Sealed Toggles — 10A							
1	SPST	On-Off	360-1242-ND	10.50	9.50	8.25	WT11S
2	SPST	On-Off	360-1243-ND	11.24	10.17	8.83	WT11T
3	SPST	On-Off	360-1244-ND	25.20	22.80	19.80	WT11L
1	SPDT	On-On	360-1245-ND	11.13	10.07	8.75	WT12S
2	SPDT	On-On	360-1246-ND	11.87	10.74	9.33	WT12T
3	SPDT	On-On	360-1247-ND	25.83	23.37	20.30	WT12L
1	SPDT	On-Off-On	360-1248-ND	11.72	10.61	9.21	WT13S
2	SPDT	On-Off-On	360-1249-ND	12.45	11.27	9.79	WT13T
3	SPDT	On-Off-On	360-1250-ND	26.42	23.91	20.76	WT13L
1	DPST	On-Off	360-1251-ND	15.39	13.93	12.10	WT21S
2	DPST	On-Off	360-1252-ND	16.86	15.26	13.25	WT21T
3	DPST	On-Off	360-1253-ND	36.39	32.93	28.60	WT21L
1	DPDT	On-On	360-1254-ND	16.02	14.50	12.59	WT22S
2	DPDT	On-On	360-1255-ND	17.49	15.83	13.75	WT22T
3	DPDT	On-On	360-1256-ND	37.02	33.50	29.09	WT22L
1	DPDT	On-Off-On	360-1257-ND	17.43	15.77	13.70	WT23S
2	DPDT	On-Off-On	360-1258-ND	18.90	17.10	14.85	WT23T
3	DPDT	On-Off-On	360-1259-ND	38.43	34.77	30.20	WT23L
Sealed Rockers — 6A							
4	SPST	On-Off	360-1507-ND*	12.87	11.65	10.12	WR11AS

Fig.	Switching Circuit	Function	Digi-Key Part No.	1	Price Each 25	100	NKK Part No.
4	SPST	On-Off	360-1510-ND†	12.87	11.65	10.12	WR11BS
5	SPST	On-Off	360-1511-ND†	13.55	12.26	10.65	WR11BT
6	SPST	On-Off	360-1512-ND†	26.25	23.75	20.63	WR11BL
4	SPDT	On-On	360-1513-ND*	13.65	12.35	10.73	WR12AS
5	SPDT	On-On	360-1514-ND*	14.34	12.98	11.27	WR12AT
6	SPDT	On-On	360-1515-ND*	27.05	24.48	21.26	WR12AL
4	SPDT	On-On	360-1516-ND†	13.65	12.35	10.73	WR12BS
5	SPDT	On-On	360-1517-ND†	14.34	12.98	11.27	WR12BT
6	SPDT	On-On	360-1518-ND†	27.05	24.48	21.27	WR12BL
4	SPDT	On-Off-On	360-1519-ND*	14.45	13.08	11.36	WR13AS
5	SPDT	On-Off-On	360-1520-ND*	15.12	13.68	11.88	WR13AT
6	SPDT	On-Off-On	360-1521-ND*	27.83	25.18	21.87	WR13AL
4	SPDT	On-Off-On	360-1522-ND†	14.45	13.08	11.36	WR13BS
5	SPDT	On-Off-On	360-1523-ND†	15.12	13.68	11.88	WR13BT
6	SPDT	On-Off-On	360-1524-ND†	27.83	25.18	21.87	WR13BL
Sealed Pushbuttons — 10A							
7	SPDT	On-On	360-1421-ND	24.39	19.52	15.45	WB12S
8	SPDT	On-On	360-1422-ND	25.44	20.36	16.12	WB12T
9	SPDT	On-On	360-1423-ND	45.39	36.32	28.75	WB12L
7	SPDT	On-Mom	360-1424-ND	25.44	20.36	16.12	WB15S
8	SPDT	On-Mom	360-1425-ND	26.49	21.20	16.78	WB15T
9	SPDT	On-Mom	360-1426-ND	46.44	37.16	29.42	WB15L

S=Solder Lug; T=Screw Lug; L= 8" Wire Lead * = Black † = Ivory

Carling Technologies™ Contura II Sealed Rocker Switches



The V Series Contura II switches have been the benchmark sealed rocker switch for years. The Contura II is constructed of thermoplastic polycarbonate with a nylon 66 surface overlay and dual seal protection out to IP66/IP68 standards. Illuminated versions are superbright 12V LED for long life. .250" QC terminals for easy wiring to switch. **Specifications:** • Actuator Type: Contour Rocker • Ratings: 20A @ 12VDC • Contacts: Silver Cad Oxide • Dielectric Strength: 1500V RMS • Life: 50-100K cycles depending on circuit • Terminals: .250"QC • Lighting: LED-Rated for 100K hrs. for half life Terminals to be used with connector housing are 14-18 AWG 42100-1, 18-22 AWG 60295-2

Circuit	Function	Features	Actuator Color	Digi-Key Part No.	1	Price Each 25	50	Carling Technologies Part No.
SPST	On-Off	Illum. Grn 12V/Amber 12V	Black	432-1088-ND	8.32	6.40	4.48	V1D2GHNB-AAC00-000
SPST	Off-Mom	Illum. Grn 12V/Amber 12V	Black	432-1089-ND	6.79	5.23	3.66	V2D2GHNB-AAC00-000
SPST	On-Off	Illum. Grn 12V/Amber 12V	Black	432-1090-ND	9.49	7.30	5.11	VGD2GHNB-AAC00-000
SPDT	On-On	Illum. Grn 12V/Amber 12V	Black	432-1091-ND	7.61	5.86	4.10	V4D2GHNB-AAC00-000
SP3P	On-Off-On	Illum. Grn 12V/Amber 12V	Black	432-1092-ND	7.61	5.85	4.10	V6D2GHNB-AAC00-000
SP3P	On-On-On	Illum. Grn 12V/Amber 12V	Black	432-1093-ND	10.11	7.78	5.45	VD2D2GHNB-AAC00-000
SP3P	Mom-Off-Mom	Illum. Grn 12V/Amber 12V	Black	432-1094-ND	7.28	5.60	3.92	V8D2GHNB-AAC00-000
SPST	On-Off	Illuminated Incan 12V	Black	432-1095-ND	5.98	4.60	3.22	V1D2B60B-A9C00-000
SPST	Off-Mom	No Led or Lamp	Black	432-1096-ND	4.88	3.75	2.63	V2D2S00B-AZC00-000
SP3P	On-Off-On	Illuminated Incan 12V	Black	432-1097-ND	8.09	6.23	4.36	V6D2D66B-AAC00-000
DP3P	Mom-Off-Mom	Illum. Grn 12V/Amber 12V	Black	432-1098-ND	12.06	9.28	6.50	VLD2GHNB-AAC00-000
SP3P	Mom-Off-Mom	Illuminated Incan 12V	Black	432-1099-ND	7.09	5.45	3.82	V8D2B60B-AZC00-000

Accessories

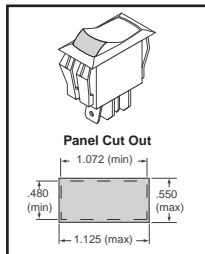
Description	Digi-Key Part No.	1	Price Each 25	50	Carling Technologies Part No.
Removal Tool, for removing Contura Actuators	432-1100-ND	.49	.38	.27	VRT
Gasket Seal for Waterproofing Switch to Panel	432-1101-ND	.78	.60	.42	VPS-01
Connector Housing for Contura, Uses Amp 60295-2 terminals	432-1102-ND	.68	.53	.37	VC1-01
Hole Plug for Filling Panel Punch Holes Not Used.Black	432-1103-ND	1.18	.91	.64	VH2-01
Panel Bracket, Stacking Type Center Panel, Black	432-1104-ND	1.18	.91	.64	VMM-01
Panel Bracket, Stacking Type End Panel, Black	432-1105-ND	1.18	.91	.64	VME-01
Panel Bracket, 1 Switch Panel Mount, Black	432-1106-ND	1.41	1.09	.77	VMS-01
Panel Bracket, 3 Switch Panel Mount, Black	432-1107-ND	3.54	2.73	1.91	VM3-01
Panel Bracket, 6 Switch Panel Mount, Black	432-1108-ND	7.09	5.45	3.82	VM6-01

Curvette Rocker Switches

The R Series Curvette line of Rocker Switches are Snap-In power switches used in Appliances, Medical, HVAC, Lawn & Garden and Transportation markets. The Dual Molded Visi-Rocker gives visual indication whether the switch is On or Off and will never burn out like illuminated rockers or wear off like Ink Stamped actuators.

Specifications: 10A @ 250VAC, 16A @ 125VAC **Dielectric Strength:** UL/CSA: 1000V live to dead metal. 750V across open contacts.

Electrical Life: 100,000 cycles
Mechanical Life: 100,000 cycles.
Operating Temperature: 0 to 85°C
Terminal: .250" QC



Circuit	Type	Body Color	Actuator Color	Markings	Digi-Key Part No.	1	Price Each 25	50	Carling Technologies Part No.
SPST	On-Off	Black	Black Oval	None	432-1109-ND	1.32	1.02	.72	RA901-RB-1-0-N
SPST	On-Off	Black	Black	None	432-1110-ND	1.08	.84	.59	RA901-RB-B-0-N
SPST	On-Off	Black	Black	Vert. "On-Off"	432-1111-ND	1.18	.91	.64	RA901-RB-B-A-N
SPST	On-Off	Black	Black	Vert. I-O	432-1112-ND	1.18	.91	.64	RA901-RB-B-F-N
SPST	On-Off	White	Black	None	432-1113-ND	1.08	.84	.59	RA901-RW-B-0-N
SPST	On-Off	White	White	None	432-1114-ND	1.08	.84	.59	RA901-RW-W-0-N
SPST	On-Off	Black	Blk/Visi Red	None	432-1115-ND	1.18	.91	.64	RA901-VB-B-0-V
SPST	On-Off	Black	Blk/Visi Red	Vert. "On-Off"	432-1116-ND	1.18	.91	.64	RA901-VB-B-1-V
SPST	On-Off	Black	Blk/Visi Red	Horz. "On-Off"	432-1117-ND	1.18	.91	.64	RA901-VB-B-2-V
SPST	On-Off	Black	Blk/Visi Red	Vert. I-O	432-1118-ND	1.18	.91	.64	RA901-VB-B-9-V
SPST	On-Off	Black	Blk/Visi White	Vert. I-O	432-1119-ND	1.18	.91	.64	RA901-VB-B-9-W
SPST	On-Off	White	Whi/Visi Red	Vert. "On-Off"	432-1120-ND	1.18	.91	.64	RA901-VW-W-1-V
SPDT	On-Off-On	Black	Black	None	432-1121-ND	1.26	.98	.68	RC911-RB-B-0-N
SPST	Off-Mom	Black	Black	None	432-1122-ND	1.56	1.20	.84	RD221-MB-B-0-N

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