

Circuit	Switching Function	Options		Digi-Key Part No.	Price Each			NKK Part No.
		Actuator	Bushing		1	25	100	
3PDT	On-On	S	S1	360-1866-ND	8.74	6.01	5.65	M2032SS1W03-R0
4PDT	On-On	S	S1	360-1875-ND	11.27	8.17	7.27	M2042SS1W03-R0
SPDT	On-On	S2	A1	360-1789-ND	4.21	2.61	2.37	M2012S2A1W03-R0
<b>Fig. 1 - PC Terminal .4VA Gold Contacts - RoHS Compliant</b>								
SPDT	On-On	S	S1	360-1800-ND	4.65	2.91	2.66	M2012SS1G03-R0
SPDT	On-Off-On	S	S1	360-1815-ND	5.13	3.33	3.04	M2013SS1G03-R0
SPDT	On-Mom	S	S1	360-1820-ND	5.46	3.64	3.26	M2015SS1G03-R0
SPDT	Mom-Off-Mom	S	S1	360-1824-ND	5.56	3.71	3.32	M2018SS1G03-R0
SPDT	On-Off-Mom	S	S1	360-1827-ND	5.56	3.71	3.32	M2019SS1G03-R0
SP3T	On-On-On	S	S1	360-1857-ND	8.47	6.01	5.48	M2024SS1G03-R0
DPDT	On-On	S	S1	360-1842-ND	6.58	4.55	4.03	M2022SS1G03-R0
DPDT	On-Off-On	S	S1	360-1851-ND	7.43	5.05	4.55	M2023SS1G03-R0
3PDT	On-On	S	S1	360-1864-ND	9.87	7.00	6.55	M2032SS1G03-R0
4PDT	On-On	S	S1	360-1873-ND	13.23	9.59	8.53	M2042SS1G03-R0
<b>Fig. 2 - Right Angle PC Terminal 6A Silver Contacts - RoHS Compliant</b>								
SPDT	On-On	S2	A2	360-1794-ND	4.65	2.91	2.66	M2012S2A2W30-R0
DPDT	On-On	S2	A2	360-1838-ND	6.53	4.52	4.00	M2022S2A2W30-R0
<b>Fig. 2 - Right Angle PC Terminal .4VA Gold Contacts - RoHS Compliant</b>								
SPDT	On-On	S	A2	360-1796-ND	5.17	3.29	3.01	M2012SA2G30-R0
SPDT	On-On	S2	A2	360-1791-ND	5.17	3.29	3.01	M2012S2A2G30-R0
SPDT	On-Off-On	S2	A2	360-1810-ND	5.51	3.67	3.29	M2013S2A2G30-R0

Circuit	Switching Function	Options		Digi-Key Part No.	Price Each			NKK Part No.
		Actuator	Bushing		1	25	100	
SPDT	Mom-Off-Mom	S2	A2	360-1821-ND	6.14	4.09	3.66	M2018S2A2G30-R0
DPDT	On-On	S2	A2	360-1836-ND	7.60	5.17	4.72	M2022S2A2G30-R0
3PDT	On-On	S2	A2	360-1862-ND	11.36	8.06	7.66	M2032S2A2G30-R0

**Fig. 3 - Vertical Right Angle PC Terminal .4VA Gold Contacts - RoHS Compliant**

Circuit	Switching Function	Options		Digi-Key Part No.	Price Each			NKK Part No.
		Actuator	Bushing		1	25	100	
SPDT	On-On	S2	A2	360-1792-ND	5.35	3.47	3.17	M2012S2A2G40-R0
SPDT	On-Off-On	S2	A2	360-1811-ND	5.77	3.85	3.45	M2013S2A2G40-R0
SPDT	On-Off-Mom	S2	A2	360-1825-ND	6.40	4.26	3.82	M2018S2A2G40-R0
DPDT	On-On	S2	A2	360-1837-ND	7.85	5.56	5.07	M2022S2A2G40-R0

**Fig. 4 - Vertical Bracket PC Terminal 6A Silver Contacts - RoHS Compliant**

Circuit	Switching Function	Options		Digi-Key Part No.	Price Each			NKK Part No.
		Actuator	Bushing		1	25	100	
SPDT	On-On	S2	A2	360-1793-ND	4.34	2.79	2.48	M2012S2A2W13-R0

**Fig. 4 - Vertical Bracket PC Terminal .4VA Gold Contacts - RoHS Compliant**

Circuit	Switching Function	Options		Digi-Key Part No.	Price Each			NKK Part No.
		Actuator	Bushing		1	25	100	
SPDT	On-On	S2	A2	360-1790-ND	4.87	3.10	2.84	M2012S2A2G13-R0

♦ RoHS Compliant † SP3T uses a Dp Body †† DP3T uses a 4p Body

**Splashproof Boots**



Description	Digi-Key Part No.	Price Each			NKK Part No.
		1	25	100	
Black for 1/4-40 Thd Bushing and .413" (10.49mm) Bat Height	360-1750-ND	3.12	1.93	1.70	AT428H
Gray for M12 Bushing and .689" (17.50mm) Bat Height	360-1706-ND	3.94	2.45	2.22	AT402H
Red for M12 Bushing and .689" (17.50mm) Bat Height	360-1707-ND	3.94	2.45	2.22	AT402C
Yellow for M12 Bushing and .689" (17.50mm) Bat Height	360-1708-ND	3.94	2.45	2.22	AT402E

**Power Toggle Switches**

**Features:** • NKK offers one of the most extensive lines of power toggle switches • Standard switching currents of 15, 25 and 30 Amps • Locking lever type is ideal for preventing accidental switching, lever must be pulled out then switched • All toggles come complete with mounting hardware **Specifications:** • Dielectric Strength: 2000V AV minimum • Mechanical Life: 50,000 operations minimum • Operating Temperature: -10°C - 70°C



Dimensions in Inch (mm)

**Fig. 1 - Solder Terminal**

3 Pole Shown  
1.331 (33.8)

**Fig. 2 - QC Terminal**

1 Pole Shown  
1.181 (30.0)

**Fig. 3 - Locking Lever**

1.181 (30.0)

**Fig. 4 - Screw Terminal**

1.122 (28.5)

**Fig. 5**

.492 (12.5)  
.689 (17.51)  
.933 (23.7)

**Fig. 6 - HD Screw Terminal**

1.339 (34.0)  
1.654 (42.0)

**Fig. 7**

Ø1.102 (28.0)  
1.063 (27.0)  
1.969 (50.0)

Red/Black Background with "ON" and "OFF" in White Lettering

**Fig. 8**

.917 (23.31)  
Full-Boot  
Half-Boot

Fig.	Circuit	Function	Switch Current (125VAC)	Digi-Key Part No.	Price Each			NKK Part No.	
					1	25	100		
<b>Medium and High Capacity, Solder Lug</b>									
1	SPST	On-Off	15A	360-1896-ND*	5.09	3.24	2.96	S301-R0	
	SPDT	On-On	15A	360-1898-ND*	5.09	3.24	2.96	S302-R0	
	SPDT	On-Off-On	15A	360-1900-ND*	5.20	3.46	3.10	S303-R0	
	SPDT	On-Mom	15A	360-1902-ND†	5.33	3.55	3.18	S305-R0	
	SPDT	Mom-Off-Mom	15A	360-1904-ND†	5.43	3.62	3.24	S308-R0	
	SPDT	On-Off-Mom	15A	360-1906-ND†	5.62	3.74	3.35	S309-R0	
	DPST	On-Off	25A	360-2087-ND*	6.98	4.83	4.27	S331-R0	
	DPDT	On-On	25A	360-2089-ND*	6.98	4.83	4.27	S332-R0	
	DPDT	On-Off-On	25A	360-1909-ND*	7.82	5.55	5.06	S333-R0	
	DPDT	On-Mom	15A	360-1911-ND*	7.90	5.60	5.10	S335-R0	
	DPDT	Mom-Off-Mom	15A	360-1913-ND†	8.59	6.09	5.55	S338-R0	
	DPDT	On-Off-Mom	15A	360-1915-ND†	8.59	6.09	5.55	S339-R0	
2	3PST	On-Off	25A	360-2083-ND†	9.46	6.51	6.11	S31-R0	
	3PDT	On-On	25A	360-2085-ND†	9.72	6.61	6.28	S32-R0	
	3PDT	On-Off-On	25A	360-1908-ND†	10.05	7.13	6.78	S35-R0	
	3PDT	On-Mom	15A	360-1918-ND*	10.05	7.13	6.78	S35-R0	
	3PDT	Mom-Off-Mom	15A	360-1919-ND*	10.05	7.13	6.78	S38-R0	
	4PST	On-Off	25A	360-2091-ND†	10.72	7.60	7.23	S41-R0	
	4PDT	On-On	25A	360-2093-ND†	10.72	7.60	7.23	S42-R0	
	4PDT	On-Off-On	25A	360-1923-ND†	11.30	8.19	7.28	S43-R0	
	4PDT	On-Mom	15A	360-1925-ND†	11.30	8.19	7.28	S45-R0	
	<b>Medium and High Capacity, .250" (6.35mm) Quick Connect</b>								
	2	SPST	On-Off	15A	360-1887-ND	4.48	2.80	2.56	S1F-R0
		SPDT	On-On	15A	360-1895-ND	5.14	3.28	3.00	S2F-R0
SPDT		On-Off-On	15A	360-1922-ND	5.24	3.40	3.11	S3F-R0	
DPST		On-Off	15A	360-1889-ND	6.08	4.05	3.63	S21F-R0	
DPDT		On-On	20A	360-1929-ND	7.15	4.87	4.38	S6F-R0	
DPDT		On-Off-On	20A	360-1932-ND	7.20	4.90	4.41	S7F-R0	
3PST		On-Off	25A	360-2084-ND*	9.78	6.93	6.59	S31F-R0	
3PDT		On-On	25A	360-2086-ND*	10.05	7.13	6.78	S32F-R0	
3PDT		On-Off-On	25A	360-1917-ND*	10.76	7.63	7.26	S33F-R0	
4PST		On-Off	25A	360-2092-ND*	11.34	8.04	7.65	S41F-R0	
4PDT		On-On	25A	360-2094-ND*	11.39	8.25	7.34	S42F-R0	
4PDT		On-Off-On	25A	360-1924-ND†	12.20	8.84	7.86	S43F-R0	
<b>Medium Capacity, Solder Lug, Locking Lever with Panel Seal</b>									
3	SPST	On-Off	15A	360-1885-ND	11.54	8.37	7.44	S1AL-R0	
	SPDT	On-On	15A	360-1893-ND	12.78	9.26	8.24	S2AL-R0	
	SPDT	On-Off-On	15A	360-1920-ND	13.05	9.46	8.41	S3AL-R0	
	DPDT	On-On	20A	360-1927-ND	14.96	10.88	9.86	S6AL-R0	
	DPDT	On-Off-On	20A	360-1930-ND	15.07	10.96	9.94	S7AL-R0	

Fig.	Circuit	Function	Switch Current (125VAC)	Digi-Key Part No.	Price Each			NKK Part No.
					1	25	100	
<b>Medium Capacity, Screw Lug</b>								
4	SPST	On-Off	15A	360-1897-ND*	5.28	3.52	3.15	S301T-R0
	SPDT	On-On	15A	360-1899-ND*	5.43	3.62	3.24	S302T-R0
	SPDT	On-Off-On	15A	360-1901-ND*	5.75	3.83	3.43	S303T-R0
	SPDT	On-Mom	15A	360-1903-ND†	5.62	3.74	3.35	S305T-R0
	SPDT	Mom-Off-Mom	15A	360-1905-ND†	6.21	4.14	3.71	S308T-R0
	SPDT	On-Off-Mom	15A	360-1907-ND†	6.21	4.14	3.71	S309T-R0
	DPST	On-Off	15A	360-2088-ND*	7.78	5.29	4.83	S331T-R0
	DPDT	On-On	15A	360-2090-ND*	7.82	5.55	5.06	S332T-R0
	DPDT	On-Off-On	15A	360-1910-ND*	8.81	6.06	5.69	S333T-R0
	DPDT	On-Mom	15A	360-1912-ND*	9.02	6.21	5.83	S335T-R0
	DPDT	Mom-Off-Mom	15A	360-1914-ND*	9.46	6.51	6.11	S338T-R0
	DPDT	On-Off-Mom	15A	360-1916-ND*	9.72	6.61	6.28	S339T-R0
<b>Medium Capacity, Solder Lug with Panel Seal</b>								
5	SPDT	On-Off	15A	360-1886-ND	9.72	6.61	6.28	S1AW-R0
	SPDT	On-On	15A	360-1894-ND	10.12	7.18	6.82	S2AW-R0
	SPDT	On-Off-On	15A	360-1921-ND	10.65	7.55	7.18	S3AW-R0
	SPDT	On-Mom	15A	360-1926-ND	9.66	6.55	6.51	S5AW-R0
	SPDT	Mom-Off-Mom	15A	360-1933-ND	10.19	7.23	6.87	S8AW-R0
	SPDT	On-Off-Mom	15A	360-1934-ND	10.19	7.23	6.87	S9AW-R0
	DPDT	On-On	20A	360-1928-ND	12.89	9.34	8.31	S6AW-R0
	DPDT	On-Off-On	20A	360-1931-ND	12.94	9.38	8.34	S7AW-R0
	DPST	On-Off	15A	360-1888-ND	11.43	8.29	7.37	S21AW-R0
	DPDT	On-Mom	15A	360-1890-ND	12.94	9.38	8.34	S25AW-R0
	DPDT	Mom-Off-Mom	15A	360-1891-ND	13.46	9.75	8.68	S28AW-R0
	DPDT	On-Off-Mom	15A	360-1892-ND	13.46	9.75	8.68	S29AW-R0
<b>High Capacity, Screw Lug</b>								
6	DPST	On-Off	30A	360-2096-ND*	20.90	16.20	14.63	S821-R0
	DPDT	On-On	30A	360-2097-ND*	23.88	18.51	16.52	S822-R0
	DPDT	On-Off-On	30A	360-2098-ND*	21.50	16.67	15.05	S823-R0
	3PST	On-Off						

# NKK® Environmentally Sealed Switches

For use in outdoor or harsh applications.



### Features:

- Sealing at front and back panel meets IP67 of IEC60529 and IP60 Standards
- Single unit construction of bushing and case gives added protection from environmental elements
- Anti-jamming design protects contacts from damage due to excessive downward force on the toggle
- Specially designed contact mechanism for breaking light contact welds
- Minimal contact bounce achieved with designed interlocked switching mechanism

### Specifications:

- Electrical Capacity:** Toggle: 10A @ 125VAC; Rocker: 15A @ 125VAC
- Dielectric Strength:** Toggle: 1,500VAC minimum; Rocker: 3,750VAC minimum between contacts and case
- Mechanical Life:** 30,000 operations minimum
- Electrical Life:** 15,000 operations minimum
- Operating Temperature:** Toggle: -30°C ~ 70°C; Rocker: -25°C ~ 85°C
- Angle of Throw:** 24°
- Panel Thickness:** .157" (4.0mm)
- Standard Hardware:** Toggle: 1 hex nut, 1 lockwasher, 1 O-ring
- Color:** Black

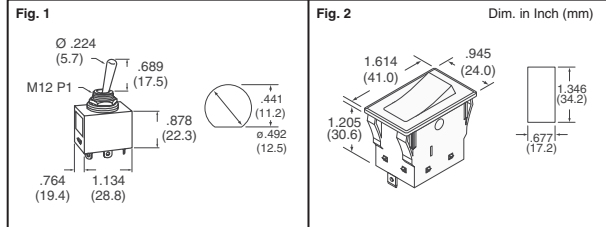


Fig.	Switching Circuit	Termination	Function	Digi-Key Part No.	1	25	100	NKK Part No.	
<b>Sealed Toggle — 10A</b>									
1	SPST	Solder Lug	On-Off	360-1951-ND	11.25	8.15	7.25	WT11S-RO	
	SPST	Screw Lug	On-Off	360-1952-ND	12.04	8.73	7.76	WT11T-RO	
	SPDT	Solder Lug	On-On	360-1953-ND	11.93	8.64	7.69	WT12S-RO	
	SPDT	Screw Lug	On-On	360-1954-ND	12.71	9.21	8.20	WT12T-RO	
	SPDT	Solder Lug	On-Off-On	360-1955-ND	12.56	9.10	8.10	WT13S-RO	
	SPDT	Screw Lug	On-Off-On	360-1956-ND	13.34	9.67	8.60	WT13T-RO	
	DPST	Solder Lug	On-Off	360-1957-ND	16.13	11.73	10.63	WT21S-RO	
	DPST	Screw Lug	On-Off	360-1958-ND	16.86	12.45	11.45	WT21T-RO	
	DPDT	Solder Lug	On-On	360-1959-ND	16.79	12.21	10.88	WT22S-RO	
	DPDT	Screw Lug	On-On	360-1960-ND	17.49	12.92	11.88	WT22T-RO	
1	DPDT	Solder Lug	On-Off-On	360-1961-ND	17.43	12.87	11.83	WT23S-RO	
	DPDT	Screw Lug	On-Off-On	360-1962-ND	18.90	13.95	12.83	WT23T-RO	
	<b>Sealed Rocker — 15A</b>								
	2	SPST	.250" QC	On-Off	360-2277-ND	11.45	8.30	7.39	WR11AF
		SPST	Solder Lug	On-Off	360-1507-ND	11.45	8.30	7.39	WR11AS
		SPST	Solder Lug	On-Off	360-1510-NDA	11.45	8.30	7.39	WR11BS
SPDT		.250" QC	On-On	360-2278-ND	12.06	8.74	7.78	WR12AF	
SPDT		Solder Lug	On-On	360-1513-ND	12.06	8.74	7.78	WR12AS	
SPDT		Solder Lug	On-On	360-1516-NDA	12.06	8.74	7.78	WR12BS	
SPDT		.250" QC	On-Off-On	360-2279-ND	12.69	9.20	8.18	WR13AF	
SPDT		Solder Lug	On-Off-On	360-1519-ND	12.69	9.20	8.18	WR13AS	
SPDT		Solder Lug	On-Off-On	360-1522-NDA	12.69	9.20	8.18	WR13BS	
SPDT		.250" QC	On-Mom	360-2280-ND	13.62	9.91	8.98	WR15AF	
SPDT	.250" QC	Mom-Off-Mom	360-2281-ND	15.42	11.22	10.17	WR18AF		
SPDT	.250" QC	On-Off-Mom	360-2282-ND	15.42	11.22	10.17	WR19AF		

▲ Ivory

## Fully Illuminated Toggle and Paddle Switches

**TL Series:** Interior O-ring protects contacts from oil, dust, water, and other contaminants  
**Specifications:** • Power Level: 6A @ 125VAC • Electrical Life: 25,000 operations minimum • Sealing Ring: Nitrile butadiene rubber • Operating Temperature: -10°C ~ 55°C • IP65 Panel seal when used with optional AT401P O-ring

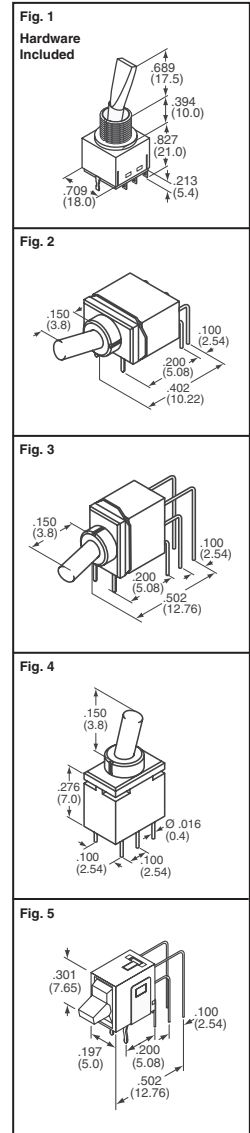
**G Series:** Totally sealed body construction prevents contact contamination and allows time and money saving automated soldering and washing  
**Specifications:** • Logic Level: 0.4VA maximum @ 28V AC/DC maximum • Electrical Life: 50,000 operations minimum • Sealing Rings: Nitrile butadiene rubber • Operating Temperature: -25°C ~ 55°C

**Sealing Rings:** Nitrile butadiene rubber • Non-Illuminated Operating Temperature: -25°C ~ 85°C • Illuminated Operating Temperature: -25°C ~ 55°C

**GW Series:** World's smallest fully illuminated paddles for highly visible status indication. Specially designed switching mechanism provides crisp actuation feedback to positively indicate circuit transfer. **Specifications:** • Logic Level: 0.4VA maximum @ 28V AC/DC maximum • Electrical Life: 50,000 operations minimum • Sealing Rings: Nitrile butadiene rubber • Operating Temperature: -25°C ~ 55°C

Fig.	Switch Circuit	Actuator Function	Illumination Color	Color	Digi-Key Part No.	1	25	100	NKK Part No.
<b>Fully Illuminated Toggle Switches</b>									
1	DPDT	On-On	Red	Bright Red	360-1939-ND	12.13	8.79	7.82	TL22DCAW015C-RO
	DPDT	On-On	Amber	Bright Amber	360-1940-ND	12.13	8.79	7.82	TL22DDAW015D-RO
	DPDT	On-On	Green	Bright Green	360-1941-ND	12.13	8.79	7.82	TL22DFAW015F-RO
	DPDT	On-On	Clear	Super Bright White	360-1713-ND	14.52	10.56	9.57	TL22DNAW016B-RO
	DPDT	On-On	Clear	Super Bright White	360-1942-ND	14.52	10.56	9.57	TL22DNAW016B-RO
	DPDT	On-On	Clear	Super Bright Blue	360-1944-ND	14.52	10.56	9.57	TL22DNAW016F-RO
DPDT	On-On	Clear	Super Bright Green	360-1943-ND	14.52	10.56	9.57	TL22DNAW016F-RO	
—	Panel Seal O-Ring for TL Toggles	—	—	—	360-1719-ND	.92	.48	.40	AT401P
<b>Ultra-Miniature Fully Illuminated Toggle Switches Process Sealed</b>									
2	SPDT	On-On	Clear	Red	360-1760-ND	7.25	4.93	4.44	G12JHC-RO
	SPDT	On-On	Clear	Amber	360-1688-ND	7.25	4.93	4.44	G12JHD
	SPDT	On-On	Clear	Amber	360-1762-ND	7.25	4.93	4.44	G12JHD-RO
	SPDT	On-On	Clear	Green	360-1691-ND	7.25	4.93	4.44	G12JHF
	SPDT	On-On	Clear	Green	360-1763-ND	7.25	4.93	4.44	G12JHF-RO
	SPDT	On-On	Clear	Red/Green	360-1761-ND	8.16	5.78	5.27	G12JHCF-RO
SPDT	On-Off-On	Clear	Red/Green	360-1771-ND	8.42	5.97	5.45	G13JHCF-RO	
3	SPDT	On-On	Clear	Red	360-1764-ND	7.25	4.93	4.44	G12JVC-RO
	SPDT	On-On	Clear	Amber	360-1690-ND	7.25	4.93	4.44	G12JVD
	SPDT	On-On	Clear	Amber	360-1766-ND	7.25	4.93	4.44	G12JVD-RO
	SPDT	On-On	Clear	Green	360-1767-ND	7.25	4.93	4.44	G12JVJF-RO
	SPDT	On-On	Clear	Red/Green	360-1765-ND	8.16	5.78	5.27	G12JVJCF-RO
	SPDT	On-Off-On	Clear	Red/Green	360-1772-ND	8.42	5.97	5.45	G13JVJCF-RO
4	SPDT	On-On	Clear	Red	360-1686-ND	6.48	4.49	3.97	G12JPC
	SPDT	On-On	Clear	Amber	360-1689-ND	6.48	4.49	3.97	G12JPD
	SPDT	On-On	Clear	Green	360-1692-ND	6.48	4.49	3.97	G12JPF
	SPDT	On-On	Clear	Red/Green	360-1695-ND	7.70	5.24	4.78	G12JPCF
	SPDT	On-Off-On	Clear	Red/Green	360-1698-ND	7.98	5.43	4.95	G13JPCF
<b>Ultra-Miniature Non-Illuminated Toggle Switches Process Sealed — RoHS Compliant</b>									
2	SPDT	On-On	Gray	—	360-1757-ND	4.81	3.07	2.80	G12AH-RO
	SPDT	On-Off-On	Gray	—	360-1768-ND	5.03	3.21	2.93	G13AH-RO
3	SPDT	On-Off-On	Gray	—	360-1759-ND	4.81	3.07	2.80	G12AV-RO
	SPDT	On-Off-On	Gray	—	360-1770-ND	5.03	3.21	2.93	G13AV-RO
4	SPDT	On-On	Gray	—	360-1758-ND	4.26	2.74	2.44	G12AP-RO
	SPDT	On-Off-On	Gray	—	360-1769-ND	4.48	2.80	2.56	G13AP-RO
<b>Ultra Thin Fully Illuminated Paddles — RoHS Compliant</b>									
5	SPDT	On-On	Clear	Red	360-2117-ND	6.45	4.30	3.85	GW12LJVC-RO
	SPDT	On-On	Clear	Amber	360-2118-ND	6.45	4.30	3.85	GW12LJVD-RO
	SPDT	On-On	Clear	Green	360-2119-ND	6.45	4.30	3.85	GW12LJVF-RO

◆ RoHS Compliant



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