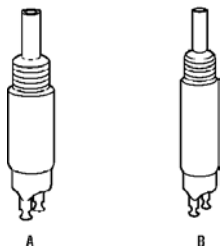


8700 Series Overtravel Pushbutton Switches — NEW —

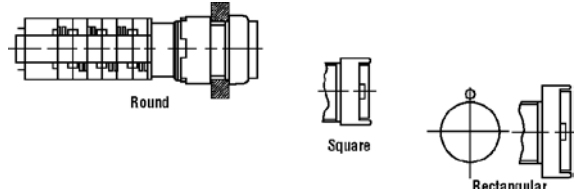


Contact Rating: Q contact material — 1 amp at 120 VAC or 28 VDC; B or G contact material — 0.4 VA max. at 20 VAC or VDC max. **Case:** Diallyl phthalate (UL94V-0). **Plunger:** 8731 — 0.390 brass, nickel plated with or without internal o-ring; 8732 — 0.390 PBT polyester, black. **Contacts and Terminals:** Q contact material — Coin silver, silver plated; B contact material — Gold over nickel, gold plated; G contact material — Silver over silver, gold plated. **Operating Temperature:** -30°C to 65°C. **Electrical Life:** 100,000 actuations minimum at full load.

Stock No.	Mfr.'s Type	Fig.	Description	Switch Function*	Actuation Force (Oz.)	EACH		
						1-99	100-499	500-999
676-9350	8732S1HZBE	A	SPST	Off-Mom.	7.0	4.45	3.93	3.62
676-9351	8732S1HZDE	A	SPST	Off-Mom.	7.0	4.62	4.08	3.77
676-9352	8731SHZBE	B	SPST	Off-Mom.	2.6	4.14	3.66	3.37
676-9353	8731SHZBE	B	SPST	Off-Mom.	2.6	7.81	6.90	6.37

*Mom.=Momentary.

Lumotast 75 Series Lighted Pushbutton Switches



Series 75 panel-mounted switches include momentary and alternate action lighted pushbuttons and keylocks. Each is designed to mount in a 16.2 mm diameter panel cutout. Units are rated at 4 amps at 120/240 VAC, and are available in one, two, three, and four pole models. Standard soldering terminals are silver (gold contacts available on request). The Lumotast 75 Series switches are recognized by UL, CSA, and VDE. Operating life at 250 VAC; 2 amps exceeds 200,000 operations. Cataloged units feature a black collar. **Degree of Protection:** IP40, IP65 models also available.

18 mm Round Bezel and Lens

Stock No.	Mfr.'s Type	Description	Switch Function*	EACH		
				1-99	100-499	500-999
676-4124	1.15108.451	SPST/1 NC and 1 NO	Off-Mom.	22.80	20.90	19.09
676-4125	1.15108.452	DPST/2 NC and 2 NO	Off-Mom.	33.19	30.42	28.08
676-4126	1.15108.551	SPST/1 NC and 1 NO	Off-On	26.97	24.72	22.82
676-4127	1.15108.552	DPST/2 NC and 2 NO	Off-On	37.60	34.46	31.83

18 mm Square Bezel and Lens

Stock No.	Mfr.'s Type	Description	Switch Function*	EACH		
				1-99	100-499	500-999
676-4128	1.15108.251	SPST/1 NC and 1 NO	Off-Mom.	22.57	20.69	19.10
676-2129	1.15108.252	DPST/2 NC and 2 NO	Off-Mom.	22.55	20.67	19.08
676-4130	1.15108.351	SPST/1 NC and 1 NO	Off-On	27.24	24.98	22.82
676-4131	1.15108.352	DPST/2 NC and 2 NO	Off-On	37.62	34.48	31.83

18 mm x 24 mm Rectangular Bezel and Lens

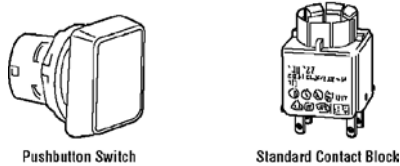
Stock No.	Mfr.'s Type	Description	Switch Function*	EACH		
				1-99	100-499	500-999
676-4132	1.15108.051	SPST/1 NC and 1 NO	Off-Mom.	28.26	18.31	16.55
676-4133	1.15108.052	DPST/2 NC and 2 NO	Off-Mom.	22.55	20.67	19.08
676-4134	1.15108.151	SPST/1 NC and 1 NO	Off-On	22.93	14.85	13.42
676-4135	1.15108.152	DPST/2 NC and 2 NO	Off-On	37.62	34.48	31.83

*Mom.=Momentary. **Note:** Each of the above switches must be ordered with an appropriate colored lens cap, light diffuser, and incandescent lamp. Please see "accessories" below.

Accessories
Ordering Details: A Lumotast 75 Series lighted pushbutton assembly consists of the basic switch, colored lens cap, legend insert/diffuser and lamp. For example, to order a 24 mm square red latching lighted pushbutton with two poles and 12 V lamp one would collectively order Mfr.'s Type 1.15108.352, 5.49275.036/1303, 5.73013.000/0202, and 1.90100.022. The color blue is also available on special order.

Stock No.	Mfr.'s Type	Description	EACH		
			1-99	100-499	500-999
676-4160	5.49257.011/1002	18 mm Round Lens Cap, Clear	.88	.78	.70
676-4161	5.49257.011/1303	18 mm Round Lens Cap, Red	.53	.46	.42
676-4162	5.49257.011/1502	18 mm Round Lens Cap, Green	.88	.78	.70
676-4163	5.49275.036/1002	18 mm Square Lens Cap, Clear	.79	.67	.63
676-4164	5.49275.036/1303	18 mm Square Lens Cap, Red	.56	.48	.44
676-4165	5.49275.036/1502	18 mm Square Lens Cap, Green	.81	.70	.63
676-4166	5.49275.032/1002	18 mm x 24 mm Rectangular Lens Cap, Clear	.80	.69	.63
676-4167	5.49275.032/1303	18 mm x 24 mm Rectangular Lens Cap, Red	.46	.39	.36
676-4168	5.49275.032/1502	18 mm x 24 mm Rectangular Lens Cap, Green	.80	.69	.63
676-4169	5.72050.000/0202	18 mm Round Legend Insert/Diffuser	.58	.53	.47
676-4170	5.73013.000/0202	18 mm Square Legend Insert/Diffuser	.59	.53	.47
676-4171	5.73012.000/0202	18 mm x 24 mm Rectangular Legend Insert/Diffuser	.59	.51	.46
676-4172	1.90100.021	6 V/0.3 W T4.5 Incandescent Lamp	4.98	4.43	4.05
676-4173	1.90100.022	12 V/0.48 W T4.5 Incandescent Lamp	4.98	4.43	4.05
676-4174	1.90100.023	24 V/0.48 W T4.5 Incandescent Lamp	5.72	5.10	4.66

Rafix 16 Non-Illuminated and Illuminated Pushbutton Switches



Contact Rating: Silver — 6 amps at 250 VAC; Gold — 250 mA at 42 VAC/VDC. **Contact Resistance:** Silver — 20 milliohms; Gold — <50 milliohms. **Operating Temperature:** Non-Illuminated — -25°C to 70°C; -13°F to 158°F; Illuminated — -25°C to 55°C; -13°F to 131°F. **Operating Life:** Latching — 100,000 cycles; Momentary — 2,000,000 cycles. **Terminals:** Quick connect 2.0 x 0.8 tin plated. **Degree of Protection:** IP65, dustproof, water splash, and dew condensation.

Non-Illuminated Pushbutton Switches with Flush Lens

Stock No.	Mfr.'s Type	Color	EACH		
			1-99	100-499	500-999
676-9178	1.30070.251/0104	Black	6.40	5.46	4.94
676-9179	1.30070.251/0215	White	6.40	5.46	4.94
676-9180	1.30070.251/0301	Red	7.16	6.11	5.53
676-9181	1.30070.251/0403	Yellow	7.16	6.11	5.53
676-9182	1.30070.251/0525	Green	6.40	5.46	4.94
676-9183	1.30070.251/0617	Blue	6.40	5.46	4.94

Illuminated Pushbutton Switches with Flush Lens

Stock No.	Mfr.'s Type	Color	EACH		
			1-99	100-499	500-999
676-9194	1.30070.001/1002	Colorless	8.47	6.81	6.16
676-9195	1.30070.001/1306	Red	8.47	6.81	6.16
676-9196	1.30070.001/1403	Yellow	10.04	8.07	7.30
676-9197	1.30070.001/1505	Green	10.04	8.07	7.30
676-9198	1.30070.001/1607	Blue	8.47	6.81	6.16

Standard Contact Block for Non-Illuminated Pushbutton Switches with Flush Lens

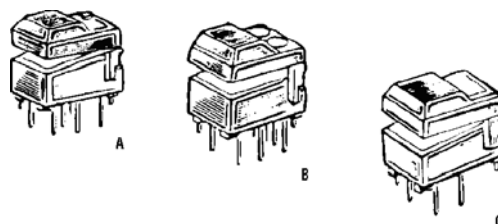
Stock No.	Mfr.'s Type	Description	Switch Function*	Contact Material	EACH		
					1-99	100-499	500-999
676-9184	1.20122.021/0000	SPST/1 NC and 1 NO	Off-Mom.	Silver	10.11	8.13	7.36
676-9185	1.20122.022/0000	DPST/2 NO	Off-Mom.	Silver	10.11	8.13	7.36
676-9186	1.20122.023/0000	DPST/2 NC	Off-Mom.	Silver	8.54	6.87	6.22
676-9187	1.20122.061/0000	SPST/1 NC and 1 NO	Off-On	Silver	12.58	10.14	9.17
676-9188	1.20122.062/0000	DPST/2 NO	Off-On	Silver	12.58	10.14	9.17
676-9189	1.20122.031/0000	SPST/1 NC and 1 NO	Off-Mom.	Gold	11.50	9.33	8.43
676-9190	1.20122.032/0000	DPST/2 NO	Off-Mom.	Gold	18.69	15.02	13.58
676-9191	1.20122.033/0000	DPST/2 NC	Off-Mom.	Gold	15.75	12.66	11.45
676-9192	1.20122.071/0000	SPST/1 NC and 1 NO	Off-On	Gold	16.34	13.14	11.89
676-9193	1.20122.072/0000	DPST/2 NO	Off-On	Gold	17.57	14.13	12.78

Standard Contact Block for Illuminated Pushbutton Switches with Flush Lens

Stock No.	Mfr.'s Type	Description	Switch Function*	Contact Material	EACH		
					1-99	100-499	500-999
676-9199	1.20122.001/0000	SPST/1 NC and 1 NO	Off-Mom.	Silver	12.58	10.14	9.17
676-9200	1.20122.002/0000	DPST/2 NO	Off-Mom.	Silver	10.62	8.56	7.74
676-9201	1.20122.003/0000	DPST/2 NC	Off-Mom.	Silver	10.62	8.56	7.74
676-9202	1.20122.041/0000	SPST/1 NC and 1 NO	Off-On	Silver	16.00	12.88	11.66
676-9203	1.20122.042/0000	DPST/2 NO	Off-On	Silver	18.95	15.25	13.81
676-9204	1.20122.011/0000	SPST/1 NC and 1 NO	Off-Mom.	Gold	15.87	12.76	11.55
676-9205	1.20122.012/0000	DPST/2 NO	Off-Mom.	Gold	17.96	14.47	13.08
676-9206	1.20122.013/0000	DPST/2 NC	Off-Mom.	Gold	15.16	12.21	11.04
676-9207	1.20122.051/0000	SPST/1 NC and 1 NO	Off-On	Gold	18.21	14.65	13.25
676-9208	1.20122.052/0000	DPST/2 NO	Off-On	Gold	20.04	16.12	14.58

*Mom.=Momentary.

MP Series Mechanical Pushbutton Switches



Contact Rating: 0.4 VA max. at 20 VAC or VDC max. **Switch Function:** SPDT momentary. **Case:** Glass filled nylon. **Cap:** Polycarbonate-ABS blend. **Contacts and Terminals:** Brass with gold plate over nickel plate. **Operating Temperature:** -30°C to 65°C. **Operating Force:** 150 grams typical. **Electrical Life:** 1,000,000 actuations minimum at full load.

Stock No.	Mfr.'s Type	Fig.	Cap Width	Cap Color	LED Color(s)	EACH		
						1-99	100-499	500-999
676-4112	MPO1R113CBE	A	0.486	White	Red	3.76	3.35	3.06
676-4113	MPO1R123CBE	A	0.486	Black	Red	4.38	3.90	3.57
676-4114	MPO1R2133CBE	B	0.486	White	Red, Red	4.75	4.23	3.88
676-4115	MPO1R2233CBE	B	0.486	Black	Red, Red	5.12	4.54	4.16
676-4117	MPO1S01CBE	C	0.679	White	—	3.39	3.02	2.76
676-4119	MPO1S113CBE	A	0.679	White	Red	3.82	3.40	3.11
676-4120	MPO1S123CBE	A	0.679	Black	Red	4.44	3.95	3.61
676-4121	MPO1S2133CBE	B	0.679	White	Red, Red	4.80	4.28	3.90
676-4122	MPO1S2233CBE	B	0.679	Black	Red, Red	4.62	4.11	3.77
676-4123	MPO1S2236CBE	B	0.679	Black	Red, Green	4.74	4.23	3.85

