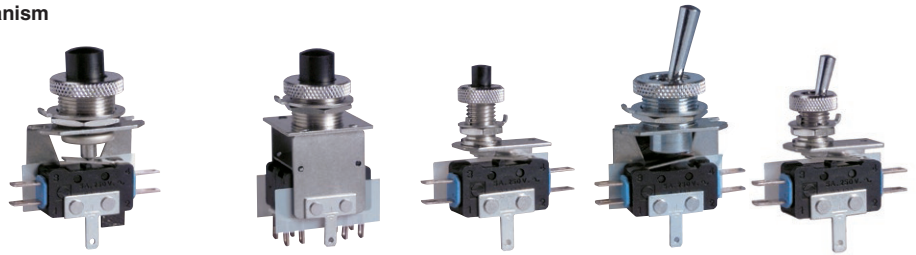


PUSHBUTTONS AND TOGGLES - SUBMINIATURE

8354

- › Double-break flexible leaf snap-action mechanism
- › Momentary or maintained action
- › Changeover-SPDT microswitch as standard
- › One, two, three and four-pole configurations
- › Long life
- › Ratings from 1 mA 4 V_{DC} to 6 A 250 V_{AC}
- › Operating temperature -40 °C up to +125 °C



Main specifications

			Pushbuttons				Toggles			
			Momentary	Momentary + Maintained*	Momentary	Momentary + Maintained*	Momentary	Maintained 2 positions	Maintained 2 positions	
			Large button Side outputs		Large button Rear outputs		Small button Side outputs	Large lever Side outputs	Small lever Side outputs	
			83542	83540	83543	83541	83547	83544	83546	
Function	Connections									
1-pole (8354-0)	I (changeover)	W2 (solder)	83542002	83540001	-	-	83547001	83544001	83546004	
2-pole (8354-3)	I (changeover)	W2 (solder)	83542301	83540301	83543301	83541301	83547301	83544301	83546302	
3-pole (8354-6)	I (changeover)	W2 (solder)	83542601	83540601	83543601	83541601	83547602	83544601	83546601	
Electrical characteristics										
Rating nominal / 250 V AC (A)			6	6	6	6	6	6**	6	
Rating thermal / 250 V AC (A)			11	11	11	11	11	11**	11	
Mechanical characteristics										
Maximum operating force, 1-pole (N)			1.6	1.6	-	-	1	3	3	
Maximum operating force, 2-pole (N)			3.2	3.2	3,2	3,2	2	4	4	
Maximum operating force, 3-pole (N)			4.8	4.8	4,8	4,8	3	7	5	
Maximum total travel force (N)			20	20	20	20	5	-	-	
Pretravel (mm)			0.7	0.7	0,7	0,7	1,2	-	-	
Total travel (mm)			5	3.9	5	3,9	3,5	30°	30°	
Ambient operating temperature (°C)			-40 → +125	-40 → +125	-40 → +125	-40 → +125	-40 → +105	-40 → +125	-40 → +125	
Mechanical life - normal travel*** (op.)			10 ⁶	-	10 ⁶	-	10 ⁶	-	-	
Mechanical life - total travel (op.)			5 x 10 ⁵	5 x 10 ⁵	5 x 10 ⁵	5 x 10 ⁵	5 x 10 ⁵	10 ⁵	10 ⁵	
Weight, 1-pole (g)			12	13	-	-	7,5	18	8	
Weight, 2-pole (g)			15	16	19	20	10	21	11	
Weight, 3-pole (g)			18	19	22	23	13	24	14	

* Push slightly for momentary action. Fully push for maintained action, to latch, then to unlatch. ** Ratings at 48 V_{AC}
 *** Normal travel: until point of resistance

Additional specifications

- Buttons, toggles: PA66, POM (83547), nickel-plated steel (83544, 83546)
- Mounting brackets: zinc-plated steel
- Barrels, knurled bezels, nuts: nickel-plated brass
- Locating washer: stainless steel
- Contacts: silver alloy (gold-plated silver alloy: on request)
- Terminals: copper nickel
- Sealing cap (accessory): silicone rubber
- Degree of protection: IP40 (button side), IP50 with cap (accessory)
- Protection against electric shock: Class I
- Rated insulation voltage U_i: 250 V, 48 V (83544)
- Impulse withstand voltage U_{imp}: 2.5 kV, 0.5 kV (83544)
- Pollution degree: 3, 2 (83541, 83543, 83544)
- Certification marks: on request /

Product adaptations



- › Functions on request: normally closed (R) or normally open (C) SPST microswitches
- › 4-pole pushbuttons: 835419, 835439
- › Dual-current variants with gold-plated contacts for use from 1 mA to 5 A
- › Rear outputs on 83540, 83542, 83544, 83546 and 83547 models (1-pole only)
- › Side outputs on 83541 and 83543
- › Terminals for printed boards
- › Higher operating force on 83542 (SP3134)
- › Sealing cap accessory for IP50 protection on button side (for 83540, 83541, 83542, 83543)
- › Red button on 83540, 83541, 83542, 83543 models
- › cURus approved models

Standard product

Product made to order

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