

G3

Snap-action Microswitches

Miniature

G3

- Characteristics
- Low operating force, high current capacity
 - <15 cn operating force option
 - >3 mm contact gap, change-over mechanism option
 - Unique integrated lever option - the ramp plunger
 - Faston (quick connect), junior faston and solder terminals
 - Imperial mounting holes option
 - Gold-plated contact option

Rating Up to 250 VAC, 18 A

Dimensions (mm) 28 × 16 × 10

Actuator Plunger, ramp plunger




Approvals UL, CSA, ENEC



Preferred Range

Ordering Reference	Actuating Force (N) (ozf)		Sealing	Operating pos. (mm) (in)		Terminal	Circuit	Actuator	Contacts	Electrical rating
G3M1T1RULAU	0.15	0.54	IP40	14.7	0.57	Faston 6.3 × 0.8	CO	Ramp plunger	Gold plated	Up to 250 VAC, 7 A
G3M1T1PULAU	0.15	0.54	IP40	14.7	0.57	Faston 6.3 × 0.8	CO	Plain plunger	Gold plated	Up to 250 VAC, 7 A
G3M1T1RUL	0.15	0.54	IP40	14.7	0.57	Faston 6.3 × 0.8	CO	Ramp plunger	Silver	Up to 250 VAC, 7 A
G3M1T1PUL	0.15	0.54	IP40	14.7	0.57	Faston 6.3 × 0.8	CO	Plain plunger	Silver	Up to 250 VAC, 7 A
G3M1T2RUL	0.15	0.54	IP40	14.7	0.57	Faston 4.8 × 0.8	CO	Ramp plunger	Silver	Up to 250 VAC, 7 A
G3M1T2PUL	0.15	0.54	IP40	14.7	0.57	Faston 4.8 × 0.8	CO	Plain plunger	Silver	Up to 250 VAC, 7 A
G3M1T3RUL	0.15	0.54	IP40	14.7	0.57	Faston 4.8 × 0.8	CO	Ramp plunger	Silver	Up to 250 VAC, 7 A
G3M1T3PUL	0.15	0.54	IP40	14.7	0.57	Faston 4.8 × 0.8	CO	Plain plunger	Silver	Up to 250 VAC, 7 A
G3M1T4RUL	0.15	0.54	IP40	14.7	0.57	Solder	CO	Ramp plunger	Silver	Up to 250 VAC, 7 A
G3M1T4PUL	0.15	0.54	IP40	14.7	0.57	Solder	CO	Plain plunger	Silver	Up to 250 VAC, 7 A
G3G4T1RUL	2.70	7.20	IP40	14.5	0.57	Faston	CO	Ramp plunger	>3mm gap	Up to 250 VAC, 10 A
G3G4T1PUL	2.70	7.20	IP40	14.5	0.57	Faston	CO	Plain plunger	>3mm gap	Up to 250 VAC, 10 A

Operating Characteristics

Actuator	Reference	Actuating Force Maximum		Release Force Minimum		Free Position Maximum		Operating Position		Movement Differential		Over travel Maximum	
		(N)	(ozf)	(N)	(ozf)	(mm)	(in)	(mm)	(in)	(mm)	(in)		
Plain plunger 	G3M1..P	0,15	0,54	0,005	0,02	15,9	0,625	14,7 ± 0,3	0,57	+0,01 -0,001	0,2	0,008	*
	G3M2..P	0,70	2,52	0,200	0,72	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3M3..P	1,10	3,96	0,300	1,08	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3M4..P	1,70	6,11	0,500	1,80	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3G4..P	2,70	7,20	0,200	0,72	15,9	0,625	14,5 ± 0,3	0,57		0,5	0,020	
Ramp plunger 	G3M1..R	0,15	0,54	0,005	0,02	15,9	0,625	14,7 ± 0,3	0,57	+0,01 -0,001	0,2	0,008	*
	G3M2..R	0,70	2,52	0,200	0,72	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3M3..R	1,10	3,96	0,300	1,08	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3M4..R	1,70	6,11	0,500	1,80	15,9	0,625	14,7 ± 0,3	0,57		0,2	0,008	
	G3G4..R	2,70	7,20	0,200	0,72	15,9	0,625	14,5 ± 0,3	0,57		0,5	0,020	
Plain lever 	G3M1..	0,12		0,03		22,0		16,5 ± 0,8			0,5		
	G3M2..	0,35		0,08		22,0		16,5 ± 0,8			0,5		
	G3M3..	0,70		0,15		22,0		16,5 ± 0,8			0,5		
	G3M4..	0,90		0,20		22,0		16,5 ± 0,8			0,5		

Lever width 7mm Please contact Saia-Burgess for referencing details on lever variants.

* Plunger can be depressed flush with housing. The housing should not be used as an end stop.

Ordering Reference

Type	G3		
Contact gap	M	Microgap	
	G	>3 mm gap	
Actuating Characteristic	1	0,15	
	2	0,70	
	3	1,10	
	4	1,70	Microgap 2,70
Terminals	T1	Faston 6.3 × 0.8	
	T2	Faston 4.8 × 0.8	
	T3	Faston 4.8 × 0.5 (microgap only)	
	T4	Solder	
Note: Microgap - parallel terminals; >3 mm gap - flared terminals			
Actuators	P	Plain plunger	
	R	Ramp plunger	
Circuit	No digit	Change-over	
	C2	Normally closed	
	C4	Normally open	
Approvals	No digit	ENEC	
	UL	UL and CSA	
Contacts	No digit	Silver, silver cadmium oxide	
	AU	Gold plated silver, gold plated silver cadmium oxide	