

340

340

Characteristics

- wiping contacts, leaf spring mechanism
- 3 mm contact gap
- compliant to glow wire requirements IEC 60335-1, 4. ed. as optional item

Rating 250 VAC, 16 A max.

Dimensions 28,8 × 20,4 × 10,1

Actuator

- plunger
- roller lever
- plain levers
- simulated roller lever
- moulded lever

Approvals ENEC, UL



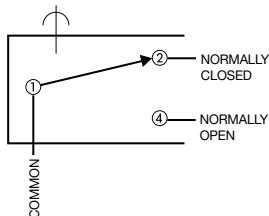
Popular Products

Ordering Reference	Actuating Force (N)	Actuating Force (ozf)	Operating pos. (mm)	Operating pos. (in)	Terminal (mm)	Contact Gap	Actuator	Contacts	Electrical rating ENEC	UL/CSA
343B120350N0	4,9	17,50	14,7 +0,3 -0,6	0,58	+0,01 -0,02	Faston	3	Plunger	AgCd0	16 (3) A, 250 VAC 12 A, 125–250 VAC

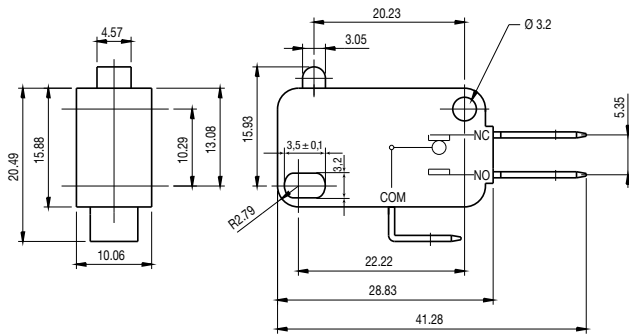
Specifications

Housing	Glass-filled flame retardant Nylon 6,6
Plunger	Glass-filled flame retardant Nylon 6,6
Mechanism	Snap action, single pole leaf spring mechanism
Functions	Change-over, Normally open, Normally closed
Contacts	Silver
Terminals	Solder, Faston and Rast 5 terminals
Temperature range	-10°C to +85°C
Mechanical life	10 ⁷ cycles minimum (3 mm gap 10 ⁶) (impact-free actuation)
Protection	IP40 (enclosure)
Mounting	Side mounting
Actuators	Plunger, plain lever, roller lever

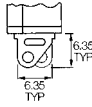
Circuit diagram



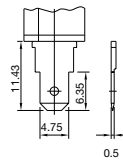
Dimensions



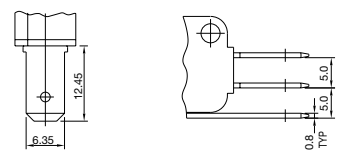
342
Solder



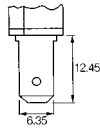
345
4,75 × 0,5
Faston



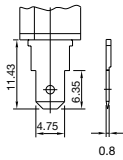
348
Rast 5
Faston



343
6,35 × 0,8
Faston



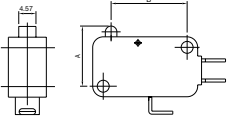
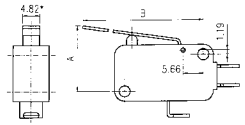
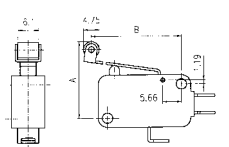
346
4,75 × 0,8
Faston



Recommended maximum electrical ratings

Versions	ENEC	UL/CSA	Motor load
3 mm Wide gap	16(3) A, 250 VAC, 50 E3, T85	12 A, 125-250 VAC, T85	½ HP

Operating Characteristics 34_120350

Actuator	Reference	Actuating Force		Release Force		Free Position		Operating Position		Movement Differential		Full Overtravel	
		Maximum (N)	(ozf)	Minimum (N)	(ozf)	Maximum (mm)	(in)	(mm)	(in)	Maximum (mm)	(in)	Position (mm)	(in)
Plunger 	34_120350	4,90	17,50	1,20	4,32	15,93	0,63	14,70 +0,3/-0,6	0,58 +0,01/-0,02	0,76	0,03	13,0	0,51
Plain lever (Back position) 	ZD0	4,90	17,50	1,20	4,32	17,00	0,67	15,20 +/-0,5	0,60 +/-0,02	0,80	0,03	14,1	0,56
	ZD1	3,60	12,95	0,63	2,27	18,80	0,74	15,70 +/-0,8	0,62 +/-0,03	1,20	0,05	13,7	0,54
	ZD2	1,40	5,04	0,18	0,65	26,70	1,05	14,60 +/-3,0	0,57 +/-0,12	4,60	0,18	11,1	0,44
Roller lever 	ZDS0	4,90	17,50	1,20	4,32	22,20	0,87	20,60 +/-0,7	0,81 +/-0,03	0,80	0,03	19,5	0,77
	ZDS1	3,60	12,95	0,52	1,87	24,20	0,95	21,20 +/-0,9	0,83 +/-0,04	1,10	0,04	19,5	0,77

Ordering Reference

Basic type	34	Example: 34 2 B 40 75 NO ZD0										
Terminal type	2 solder 3 6,35 × 0,8 fast-on 5 4,75 × 0,5 fast-on 6 4,75 × 0,8 fast-on 8 6,35 × 0,8 Rast 5											
	B No symbol, standard material compliant to glow wire requirements IEC 60335-1, 4. ed.											
Contact gap	120 3 mm											
Operating force	350 490 g (3 mm gap)											
Circuit	No symbol, change-over NO Normally open NC Normally closed											
Actuator	No symbol, plunger ZD0 Plain lever 22,56 mm ZD1 Plain lever 33,90 mm ZD2 Plain lever 84,43 mm ZDS0 Roller lever 19,67 mm ZDS1 Roller lever 31,70 mm											