Positive Action Switches - Miniature BVM3

BVM3

- Characteristics Positive-action (forced break) contacts
 - >3 mm contact gap at full travel
 - Internationally recognized V3 housing
 - Faston (quick connect) terminals
 - Safety switch according to CEI 9 u. 7

Rating Up to 250 VAC, 10 A

Dimensions (mm) 28 x 16 x 10.5

Actuator Plunger, plain lever, roller lever

Approvals UL and CSA



Preferred Product Range

Ordering Reference	Actuating F (N)	orce (oz)	Sealing	Terminal	Circuit	Actuator	Contacts	Electrical rating
BVM3FULS	4.5	16.2	IP40	Faston	NC	Plunger	Silver/silver nickel	Up to 250 VAC, 10 A
BVM3FYULS	4.5	16.2	IP40	Faston	NC	Plain lever	Silver/silver nickel	Up to 250 VAC, 10 A
BVM3FYRULS	5.0	18.0	IP40	Faston	NC	Roller lever	Silver/silver nickel	Up to 250 VAC, 10 A



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Specifications

Housing Glass reinforced nylon

Plunger Nylon

Mechanism >3 mm gap, positive-action, single pole

Functions Normally closed

Contacts Fixed – silver, Moving – silver nickel

Terminals 6.3 mm (0.25 in) faston NC (2) - brass, Common (1) - brass, silver-plated

Temperature range °C -40°C to +85°C

Mechanical life 10⁶ cycles minimum, impact-free actuation

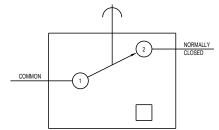
Protection IP40

Mounting Side mounting

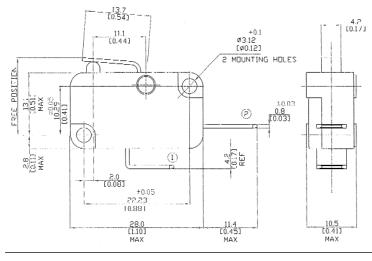
Actuators Plain lever - stainless steel, roller lever - stainless steel, nylon roller

Lid Polycarbonate

Circuit diagram



Dimensions mm [in]



Recommended Maximum Electrical Ratings

Voltage (max)	Load (A)	Horsepower	Approval
250 VAC	10 (0.75 pf)	-	ULS 1054/CSA 22.2 No. 55 - 100,000 operations
250 VAC	-	½ HP	ULS 1054 - Horsepower - 6,000 operations
125 VAC	-	½ HP	ULS 1054 - Horsepower - 6,000 operations
0 - 15 VDC	10	-	General rating - 50,000 operations
15 - 30 VDC	7		General rating - 50,000 operations

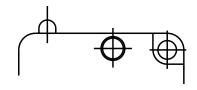


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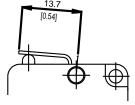
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Operating Characteristics

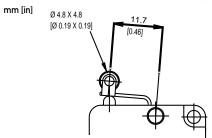
Actuator	Reference	Actuating Force at contact break	Release Force at total travel	Free Position	Contact gap at total travel		
		Maximum (N) (oz)	Minimum (N) (oz)	Maximum (mm) (in)	Minimum (mm) (in)		
Plunger	BVM3FULS	4.5 16.2	4.8 17.3	15.8 0.62	3.0 0.12		



Y Lever BVM3FYULS 4.5 16.2 4.8 17.3 16.8 0.66 3.0 0.12 mm [in] 13.7



YR Lever BVM3FYRULS 5.0 18.0 5.5 19.8 22.35 0.88 3.0 0.12



Operating characteristics are specified from the mounting holes.

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

Ordering Reference – How to Build a Part Number

Туре	BVM3F		
Actuators	No digit	Plunger Straight lever 13.7 mm (0.54 in)	
	YR	Roller lever 11.7 mm (0.46 in)	
Approvals	UL and CSA		



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