

# MICRO SWITCH™ BAF/DTF Series

## High Capacity Enclosed Switches



### DESCRIPTION

MICRO SWITCH BAF1 high capacity enclosed switches offer elastomer boot on sealed actuator versions that protects the actuating mechanism and the internal basic switch from contaminants. There is a seal gasket between the cover plate and the enclosures on all versions. The cover plate is removed for ease of wiring and switch replacement without demounting the switch. The actuator position is designated “right” or “left,” when looking at the nameplate.

### FEATURES

- Up to 20 ampere capacity
- Cast aluminum housing with three-hole mounting
- Right or left-handed (sealed or unsealed) actuators
- Cover seal, captive cover screws
- Momentary or maintained contact
- UL recognized, file #E12252
- CSA certified, file #LR41372
- Sealed to NEMA 1, 3, 4 and 13 requirements
- Grounding screw

### POTENTIAL APPLICATIONS

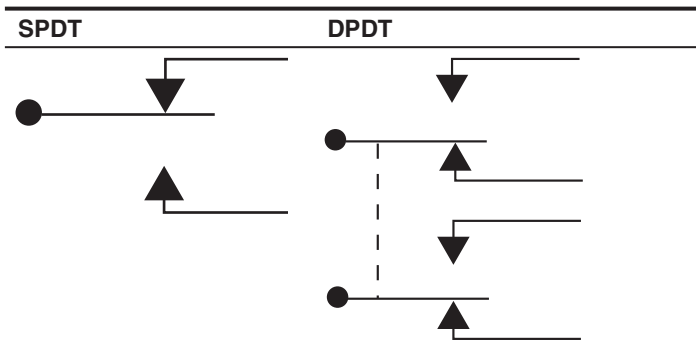
- Packaging equipment
- Special machinery
- Agricultural machinery
- Conveyors
- Overhead cranes and hoists

# MICRO SWITCH™ BAF/DTF Series

## SPECIFICATIONS

Characteristic	Parameter
Description	High capacity enclosed switch
Actuators	<ul style="list-style-type: none"> <li>• Straight plunger (with boot seal)</li> <li>• Top roller plunger (without boot seal)</li> <li>• Flexible rod (with boot seal)</li> <li>• Manually operated (with boot seal)</li> <li>• Roller arm, adjustable (with boot seal)</li> <li>• One-way roller lever (with boot seal)</li> <li>• NMaintained contact (reset) plunger (with boot seal)=</li> </ul>
Conduit	1/2 in-14 NPT
Switching options	1NO/1NC SPDT maintained 1NO/1NC SPDT snap-action 2NO/2NC DPDT snap-action
Sealing	NEMA 1, 3, 4 and 13
Operating temperature	-32 °C to 71 °C [-25 °F to 160 °F] (standard)
Housing material	Zinc die-cast
Approvals	UL, CSA



## SWITCHING



## ELECTRICAL RATINGS

Rating Code	Electrical rating
<b>B</b>	UL/CSA Rating: 10 A, 125 Vac or 250 Vac 0.3 A, 125 Vdc; 0.15 A, 250 Vdc
<b>D</b>	UL/CSA Rating: 20 A, 125 Vac, 250 Vac or 480 Vac 1 HP, 125 Vac; 2 HP, 250 Vac 1/2 A, 125 Vdc; 1/4 A, 250 Vdc Lamp load, 10 A, 125 Vac

# High Capacity Enclosed Switches

	Straight Plunger		Maintained Contact Straight Plunger (Reset) Switch
<b>Description</b>			
<b>Pretravel</b>	2,39 mm [0.094 in]	3,59 mm [0.141 in]	2,39 mm [0.094 in]
<b>Different. travel</b>	0,26 mm [0.010 in]	1,53 mm [0.060 in]	–
<b>Overtravel</b>	5,56 mm [0.219 in]	3,96 mm [0.156 in]	4,45 mm [0.219 in]
<b>Operating force</b>	11,2 N [2.5 lb]	11,2 N [2.5 lb]	7,79 N [1.75 lb]
<b>Operating position</b>	53,19 mm ±0,76 mm [2.094 in ±0.030 in]	52,07 mm ±1,0 mm [2.05 in ±0.040 in]	–

Actuator Position	Electric Rating	Seal boot	Switching	Options			
Right	D	Yes	SPDT		<b>BAF1-2RN-RH</b>		
Left	D	Yes	SPDT		<b>BAF1-2RN-LH</b>		
Right	B	Yes	DPDT			<b>DTF2-2RN-RH</b>	
Left	B	Yes	DPDT			<b>DTF2-2RN-LH</b>	
Right	D	Yes	Maintained SPDT	with boot seal on both top and bottom plungers			<b>BAF1-3RNX1</b>