

Limit and Enclosed Switches

High Capacity Enclosed Switches

BAF1 Series



The elastomer boot on sealed actuator versions 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.

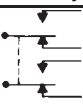
The actuator position is designated “right” or “left,” when looking at the nameplate.

FEATURES

- Up to 20 ampere capacity
- Cast aluminum housing with 3-hole mounting
- Right or left-hand (sealed or unsealed) actuators

- Cover seal, captive cover screws
 - Momentary or maintained contact
 - UL Recognized, file #E12252
 - CSA Certified, file #LR41372
 - Grounding screw
 - NEMA 1, 3*, 4*, and 13*
- (* except BAF1-2RQ9 listings)

ELECTRICAL RATING

Circuitry	Electrical Rating
 Double-pole Double-throw	B UL/CSA Rating: 10 amps, 125 or 250 VAC; 0.3 amp, 125 VDC; 0.15 amp, 250 VDC.
 High Capacity SPDT	D UL/CSA Rating: 20 amps, 125, 250 or 480 VAC; 1 Hp, 125 VAC; 2 Hp, 250 VAC; ½ amp, 125 VDC; ¼ amp, 250 VDC; Lamp Load — 10 amps, 125 VAC.

STRAIGHT PLUNGER ACTUATED SWITCHES



With seal boot, right-hand actuator

ORDER GUIDE

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.P. mm in.	O.F. max. N lbs.	P.T. max. mm in.	O.T. min. mm in.	D.T. max. mm in.
With seal boot.	D	Right	BAF1-2RN-RH	53,19±0,76	11,2	2,39	5,56	0,26
		Left	BAF1-2RN-LH	2,094±.030	2.5	.094	.219	.010
	B	Right	DTF2-2RN-RH	52,07±1,0	11,2	3,59	3,96	1,53
		Left	DTF2-2RN-LH	2,050±.040	2.5	.141	.156	.060

ROLLER PLUNGER ACTUATED SWITCHES



Without seal boot, right-hand actuator

ORDER GUIDE

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.P. mm in.	O.F. max. N lbs.	P.T. max. mm in.	O.T. min. mm in.	D.T. max. mm in.
Without seal boot.	D	Right	BAF1-2RQ9-RH	64,69	11,1	2,39	3,96	0,25
		Left	BAF1-2RQ9-LH	2,547	2.5	.094	.156	.010
	D	Right	BAF1-2RQN8-RH	64,69	35,6	3,18	4,75	0,19
		Left	BAF1-2RQN8-LH	2,547	8	.125	.187	.0075

FLEXIBLE ROD ACTUATED SWITCHES



With seal boot, right-hand actuator

ORDER GUIDE

Description	Elec. Rating	Actuator Position†	Catalog Listing	P.T. max.
With seal boot. Operates from any direction, except direct pull. SPDT.	D	Right	BAF1-2RN18-RH	15°
		Left	BAF1-2RN18-LH	

N = Newtons
† When looking at nameplate.

Characteristics: O.F. — Operating Force; P.T. — Pretravel; O.T. — Overtravel; D.T. — Differential Travel; O.P. — Operating Position

For rapid response – off the shelf service, all **bold face** listings are normally stocked items.

Limit and Enclosed Switches

BAF1 Series

High Capacity Enclosed Switches

ROLLER LEVER ACTUATED SWITCHES



With seal boot,
right-hand actuator

ORDER GUIDE

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.F. max. N lbs.	P.T. max. mm in.	O.T. min. mm in.	D.T. max. mm in.
With seal boot. Field adjustable 360° horizontally and 225° vertically.	SPDT	Right	BAF1-2RN2-RH	8,90	5,56	6,35	0,51
		Left	BAF1-2RN2-LH	2	.219	.250	.020
	DPDT	Right	DTF2-2RN2-RH	11,1	7,93	5,56	3,05
		Left	DTF2-2RN2-LH	2.5	.312	.219	.120

ONE-WAY ROLLER LEVER ACTUATED SWITCHES



With seal boot
right-hand actuator

ORDER GUIDE

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.F. max. N lbs.	P.T. max. mm in.	O.T. min. mm in.	D.T. max. mm in.
With seal boot. Field adjustable 360° horizontally and 180° vertically. SPDT.	D	Right	BAF1-2RN28-RH	8,90	5,56	6,35	0,51
		Left	BAF1-2RN28-LH	2	.219	.250	.020

MANUALLY ACTUATED SWITCHES



With seal boot,
right-hand actuator

ORDER GUIDE

Has 1.5 inch (38,1 mm) diameter button.

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.F. max. N lbs.
With seal boot. Field adjustable 360° horizontally and 180° vertically. SPDT.	D	Right	BAF1-2RN4-RH	8,90
		Left	BAF1-2RN4-LH	2

MAINTAINED CONTACT (RESET) PLUNGER ACTUATED SWITCHES



With seal boots,
right-hand actuator

ORDER GUIDE

Contact transfer is maintained after either plunger is operated. (Top plunger provides more accurate and uniform characteristics.)

Description	Elec. Rating	Actuator Position†	Catalog Listing	O.F. max. N lbs.	P.T. max. mm in.	O.T. min. mm in.
With seal boot on both top and bottom (reset) plungers. SPDT.	D	Right	BAF1-3RNX1	7,79	2,39	4,45
				1.75	.094	.219

N = Newtons
† When looking at nameplate.

Characteristics: O.F. — Operating Force; P.T. — Pretravel; O.T. — Overtravel; D.T. — Differential Travel

Limit/Enclosed

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REPLACEMENT PARTS

Basic Packets include mounting hardware, an insulator, and a cover seal ring. The plunger seal boot and retaining hardware may be ordered separately as 10PA2.

CONDUIT SEALING PACKETS

Table with 2 columns: Catalog Listing Packet, Cable O.D. Inches. Rows include 2PA6, 2PA16, 2PA1 with their respective cable O.D. ranges.

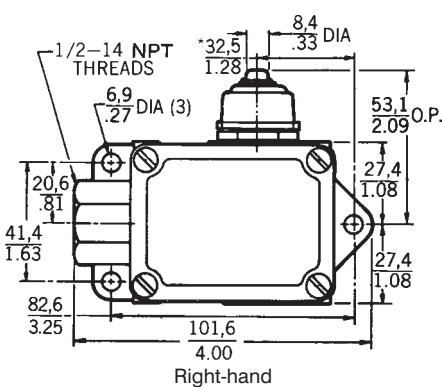
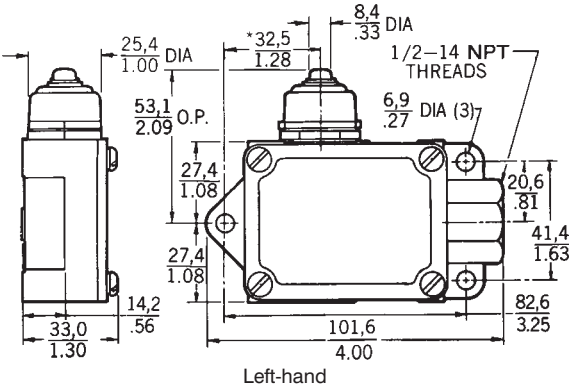
(See page A41 for description.)

Table with 4 columns: Switch Type, Basic Packet, Catalog Listing Replacement Part Numbers Switching Unit*, Actuator. Lists various switch models and their corresponding part numbers.

* Includes basic packet.
** Includes seal boot.

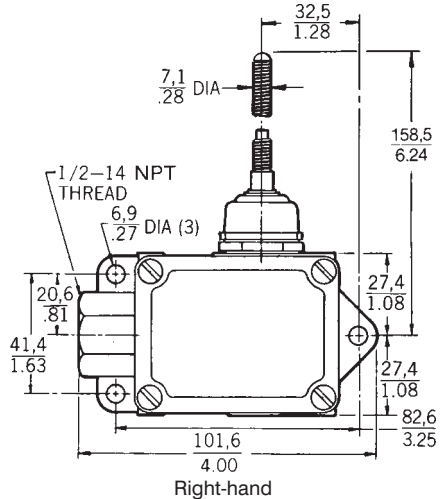
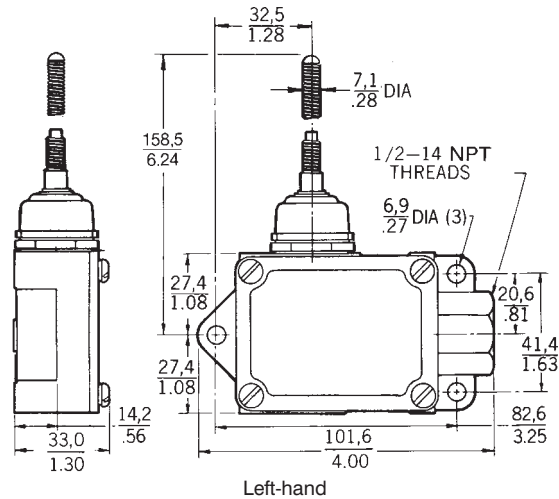
MOUNTING DIMENSIONS (For reference only)

PLUNGER (with seal boot)



*28.2 on DTF2 Types
1.11

COIL SPRING (with seal boot)



0.0 = mm
Key: 0.00 = inches

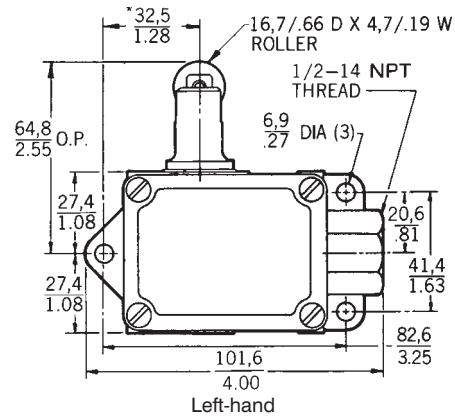
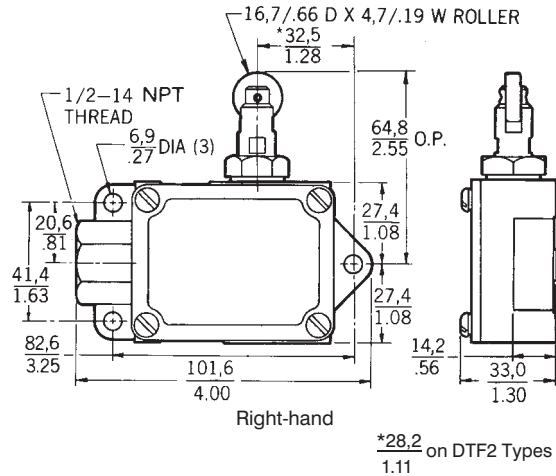
Limit and Enclosed Switches

BAF1 Series

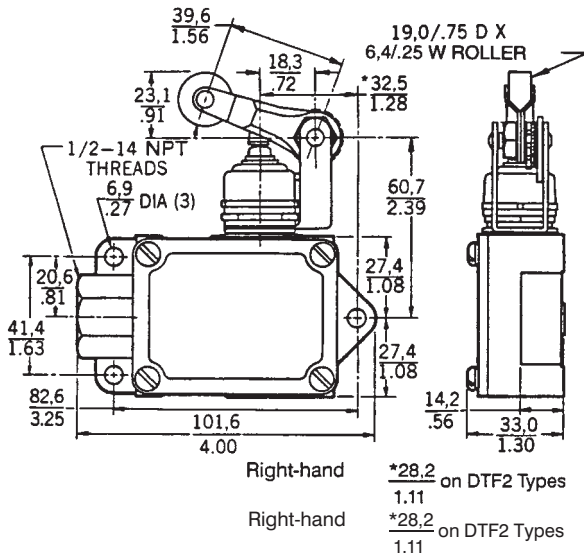
High-Capacity Enclosed Switches

MOUNTING DIMENSIONS (For reference only)

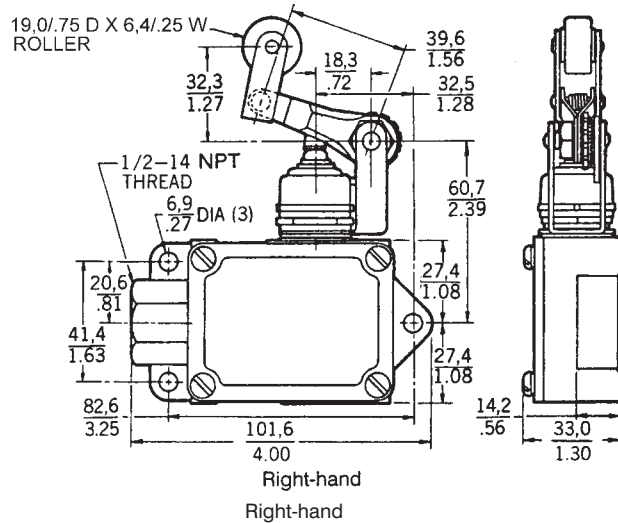
ROLLER PLUNGER (without seal boot)



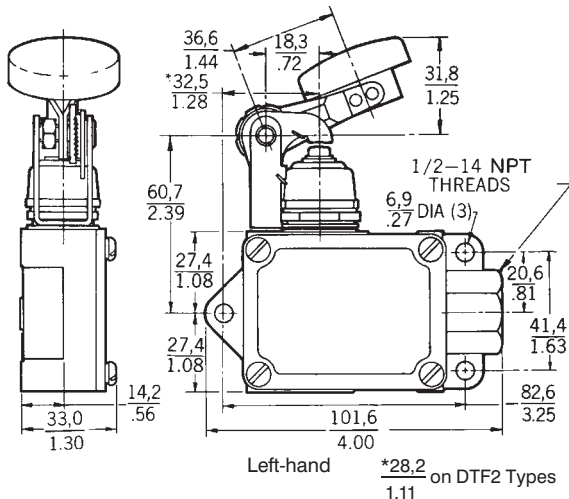
ROLLER LEVER (with seal boot)



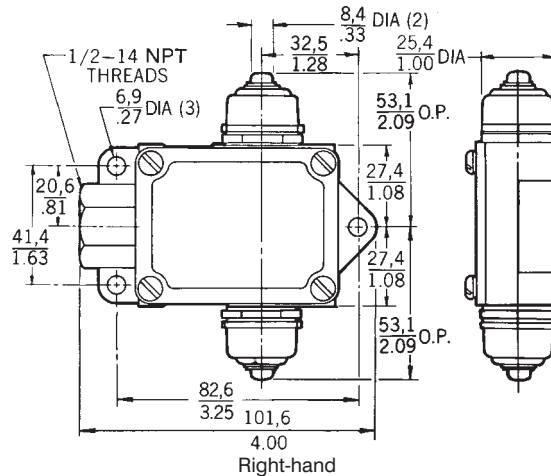
ONE-WAY ROLLER LEVER (with seal boot)



MANUAL (with seal boot)



PLUNGER (Reset) (with seal boot)



Limit/Enclosed