## MICRO SWITCH ${ }^{\text {TM }}$ BAF/DTF Series



## DESCRIPTION

MICRO SWITCH BAF1 high capacity enclosed switches offer elastomer boot on sealed actuator verions 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


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## SPECIFICATIONS

| Characteristic | Parameter |
| :--- | :--- |
| Description | High capacity enclosed switch |
| Actuators | • Straight plunger (with boot seal) <br> • Top roller plunger (without boot seal) <br> • Flexible rod (with boot seal) <br> • Manually operated (with boot seal) <br> • Roller arm, adjustable (with boot seal) <br> - One-way roller lever (with boot seal) <br> - NMaintained contact (reset) plunger (with boot seal) $=$ <br>  <br> Conduit <br> Switching options <br>  <br> 1/2 in-14 NPT <br> Sealing <br> 1NO/1NC SPDT maintained <br> 1NO/1NC SPDT snap-action <br> $2 N O / 2 N C$ DPDT snap-action |
| Housing material | NEMA 1, 3, 4 and 13 |
| Approvals | $-32{ }^{\circ} \mathrm{C}$ to $71^{\circ} \mathrm{C}$ [-25 ${ }^{\circ} \mathrm{F}$ to $\left.160{ }^{\circ} \mathrm{F}\right]$ (standard) |



## ELECTRICAL RATINGS

| Rating Code | Electrical rating |
| :--- | :--- |
| $\mathbf{B}$ | UL/CSA Rating: |
|  | $10 \mathrm{~A}, 125 \mathrm{Vac}$ or 250 Vac |
|  | $0.3 \mathrm{~A}, 125 \mathrm{Vdc} ; 0.15 \mathrm{~A}, 250 \mathrm{Vdc}$ |
| $\mathbf{D}$ | UL/CSA Rating: |
|  | $20 \mathrm{~A}, 125 \mathrm{Vac}, 250 \mathrm{Vac}$ or 480 Vac |
|  | $1 \mathrm{HP}, 125 \mathrm{Vac} ; 2 \mathrm{HP}, 250 \mathrm{Vac}$ |
|  | $1 / 2 \mathrm{~A}, 125 \mathrm{Vdc} ; 1 / 4 \mathrm{~A}, 250 \mathrm{Vdc}$ |
|  | Lamp load, 10 A, 125 Vac |

## High Capacity Enclosed Switches



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## DIMENSIONS

Figure 1. Pin Plunger: BAF1/DTF1-2RN-XX (left-hand version shown)


Figure 2. Roller Plunger: BAF1/DTF-2RQ9-XX (left-hand version shown)


Figure 3. Roller lever: BAF1/DTF1-2RN2-XX (left-hand version shown)


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Figure 4. Maintained Contact Straight Plunger (Reset): BAF1-3RNX1


Figure 6. Flexible rod: BAF1/DTF1-2RN18-XX (left-hand version shown)


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Figure 5. Roller plunger: BAF1/DTF1-2RQN8-XX (left-hand version shown)


Figure 7. Coil Wobble (Reset) Switch: BAF1/DTF1-3CN18X1-XX (lefthand version shown)


## High Capacity Enclosed Switches

Figure 8. One-way roller lever: BAF1/DTF1-2RN28-XX (left-hand version shown)


Figure 9. Manually Actuated Palm Button: BAF1/DTF1-2RN4-XX (left-hand version shown)


Figure 10. Roller Arm Adjustable (Reset) Switch: BAF1/DTF1-3RNX2-XX (left-hand version shown)


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## PRODUCT NOMENCLATURE



Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

## A WARNING misuse of documentation

- The information presented in this datasheet is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.
Failure to comply with these instructions could result in death or serious injury.


## A WARNING PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.
Failure to comply with these instructions could result in death or serious injury.

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