

# Binswitch

BETTER BY DESIGN

## Binswitch

### Programmable Capacitance Point Level Indicator

#### APPLICATION

Detects level or plug situations in bulk granular solids or liquids.

#### METHOD OF OPERATION

The Binswitch Sensor detects level or plug situations for bulk granular solids or liquids in tanks, bins, or silos and can be used as a plug or choke detector in chutes, conveyors and elevator legs. A two color LED shows material present or absent.

The programmable Binswitch includes a time delay on material arriving or leaving, and fail-safe relay settings for high and low levels.

The Binswitch has a polycarbonate housing that is corrosion and abrasion resistant, dust-tight, and waterproof.

#### FEATURES

- ▶ Applications for Level or Plug Sensing
- ▶ Adjustable Sensitivity
- ▶ CSA Class II Div 1 Groups E, F & G Approved
- ▶ IP67 Protection

#### PART NUMBERS/ACCESSORIES

- ▶ BS1V3FC Replaced by Multi-Voltage Binswitch Elite
- ▶ BS1V4FC Replaced by Multi-Voltage Binswitch Elite
- ▶ BS1V6FC Replaced by Multi-Voltage Binswitch Elite
- ▶ BS1V10FC Replaced by Multi-Voltage Binswitch Elite
- ▶ BS2V10FC Replaced by Multi-Voltage Binswitch Elite
- ▶ BP1V10FC Programmable Binswitch (5 Wire)
- ▶ SMP Mounting Plate
- ▶ SMPS Mounting Plate (Stainless Steel)
- ▶ A34NPT 3/4 in. NPT Conduit Adapter
- ▶ BMPA 1-1/4 in. NPT Mount
- ▶ BAS Abrasion Shield (1-1/4 in. NPT Mount)
- ▶ BMPG36 Gland Mount
- ▶ BSM3 3 in. Clamp Mount



**BAS**  
Abrasion Shield



**A34NPT**  
Conduit Adapter



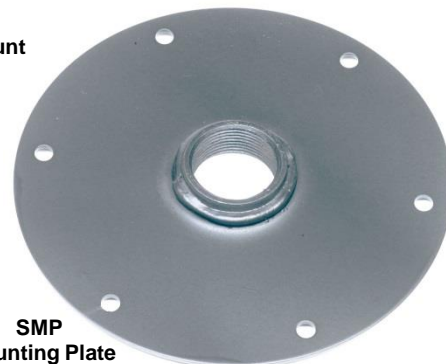
**BMPA**  
1-1/4" NPT Mount



**BSM3**  
Clamp Mount



**BMPG36**  
Gland Mount



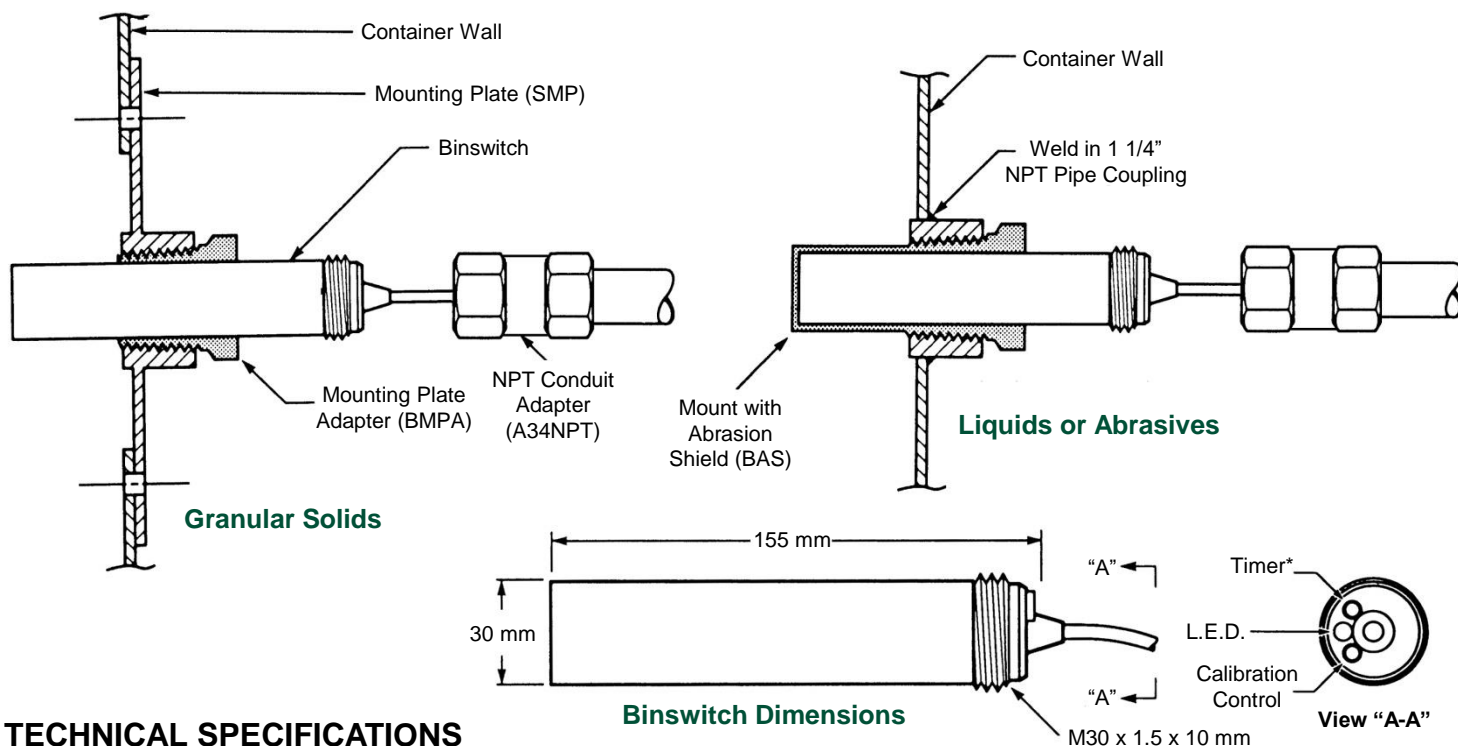
**SMP**  
Mounting Plate



ATEX and IECEx Versions Available

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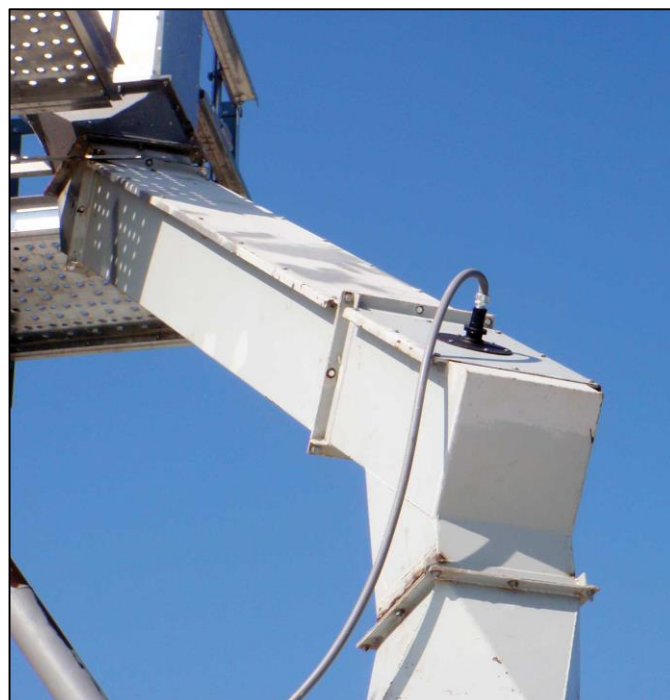


## TECHNICAL SPECIFICATIONS

### Binswitch - Capacitance Point Level Switch

	BP1V10FC
Power Supply:	12-240 VDC/24-240 VAC
Supply Tolerance:	N/A
Power Consumption:	50 mA
Fuse:	5 amp maximum
Operating Temp:	-22° F to +158° F
Sensing Range:	1" (25mm) typical
Output:	Programmable voltage free relay 1 pole normally open 1 pole normally closed
Contact Rating:	3 amp, 240 VAC, non-inductive
Fail-to-Safe:	High or low level fail-safe, relay de-energized material present/power failure
Calibration:	Screw potentiometer
Timer:	Programmable for "make", "break" (0-1 or 0-5 minutes)
LED Display:	Red: material present Green: material absent Red Flashing: timing material arriving Green Flashing: timing material leaving
Cable Enclosure:	6' (2m) 5 conductor cable Polycarbonate, threaded one end 30mm x 1.5mm
Protection:	IP67 – NEMA 6 and 6P Dust tight and water resistant
Approvals:	CSA Approved for Class 2 Div. 1 Groups E, F, & G (US and Canada)
Weight:	10.5 ounces

\* Timer on Programmable Model Only



Binswitch Installed on Bucket Elevator Spouting  
(With SMP, BAS & A34NPT)