

# **PULL - SAFE**®

Photograph shows optional  
Signal Flag fitted.

MADE IN  
AUSTRALIA

**PULL - SAFE**  
ELECTRIC CONTROL PRODUCTS  
**PULL - SAFE**  
ELECTRIC CONTROL PRODUCTS

RESET

*Tested  
to*

**IP66/67**

CE Conformity

The **PULL - SAFE** Pull Wire Switch has been tested to the requirements of IEC 60947-5-5 and AS4024.

Tripping occurs under the following conditions:-

- (a) The trip wire is removed
- (b) The trip wire is overtensioned
- (c) The trip wire is activated
- (d) Manual trip via reset knob.

The switch cannot be reset unless the trip wire is attached and correctly tensioned, Manual reset via the external reset knob is required after a trip has occurred.

## **FEATURES**

- Absolute simplicity in initial setup and adjustment.
- Robust non-metallic enclosure.
- All external fixings are 316 Stainless Steel.
- Simple design ensures low maintenance.
- Stainless steel internal compression type spring.
- Pull rod 316 stainless steel.
- Pull rod has external dust protecting boot for seal protection.
- Double lip oil seal on pull rod and reset operator for secure dust and weather protection to IP 67.
- Non-metallic pull rod bushing.
- Positive drive action from cams through to switching contacts provides mechanical forcing of the trip contacts.
- Micro switches are wired to terminals for easy wiring installation.
- Cam design compensates for pull wire expansion/contraction up to 15mm either side of the set point. Eliminates nuisance tripping due to vibration.

**PULL WIRE SWITCH**

## VARIATIONS

- Max 3 S.P.D.T Change-over Safety Micro Switches with Direct Opening Action in contact element form C,
- External signal flag.

## SWITCH SETTINGS

Adjust pull wire until there is 75mm from the end of the pull rod to the switch housing.

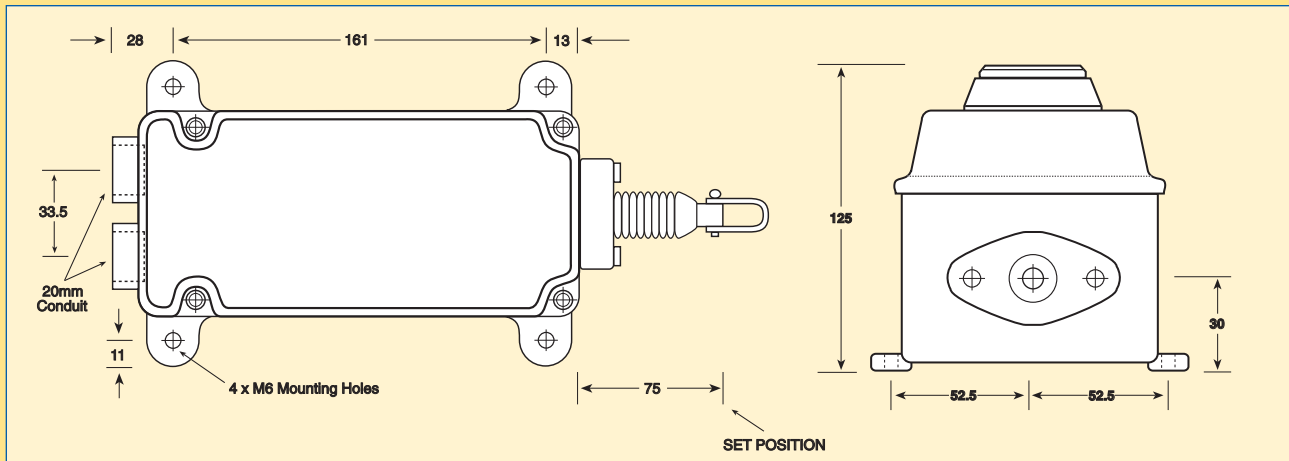
## INSTALLATION

One switch mounted for every 50m of pull wire.

- Matched stainless steel compensation springs for remote end attachment. P/N PS-60

To comply with safety critical functions AS/NZS 4024.3610 -2015 section 2.10.5 Emergency Stop. A matched compensation spring must be fitted to the remote end of the Pull Wire to allow tripping in both directions.

## DIMENSIONS



## ORDERING DETAILS

Standard Switch with 1 S.P.D.T Safety Micro Switches with Direct Opening Action.....**PS-P**

Standard Switch with 2 S.P.D.T Safety Micro Switches with Direct Opening Action.....**PS-P-2**

Standard Switch with 3 S.P.D.T Safety Micro Switches with Direct Opening Action.....**PS-P-3**

Matched S/S Compensation Spring.....**PS-60**

External Signal Flag.....**PS-F**

## ENCLOSURE SPECIFICATIONS

- High Impact PBT/PC Non Corrosive Material
- UV Stable (See Valox Specs Sheet)
- Flame Retardent ASTM:UL94-V0 (1.6mm) Resist Splash and Spillage of Most Hydrocarbon Solvents, Mild Acids and Strong Alkali (See Valox Specs Sheet)

## ELECTRICAL SPECIFICATIONS

Switch No.	Type	Voltage	Current	Mechanical Endurance	Operating Temp.
PS-P	SPDT	250v	6A	1.5 million Operating Cycle	-25°C to 85°C
PS-P-2	Forced Open				
PS-P-3	Snap Action Silver Alloy Type				

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 **Electric Control**  
PRODUCTS

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