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PULL-SAFE®

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# GENERAL INDEX - ENCLOSURE TYPES

2 PC/PBT PLASTIC

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# EMERGENCY STOP
## PULL CORD DEVICE

**UV STABLE, IMPACT MODIFIED, FLAME RETARDANT, PC/PBT ENCLOSURE.**

Device features 3 Independent positive drive mechanisms and IP 66/67 Rated S.P.D.T Change-over Safety Micro Switches with Direct Opening Action in contact element form C for high safety performance




**Tested to IP66/67**
**CE Conformity**

The Pull-Safe Pull Cord Device has been tested to the requirements of IEC 60947-5-5 and AS4024 series.

Tripping occurs under the following conditions:

(a) The trip cord is removed
(b) The trip cord is over-tensioned
(c) The trip cord is activated
(d) Manual trip via reset dial

**If tripping has occurred, reset manually via the external reset dial. Reset is only possible when trip cord is attached and correctly tensioned.**

## FEATURES

- Quick and simple initial setup and adjustment; all Set Point adjustments are done from the outside of the enclosure.
- UV stable, impact modified, flame retardant, PC/PBT enclosure.
- Simple design ensures low maintenance
- Stainless steel internal compression type spring.
- Electro polished 316 stainless steel pull rod.
- Pull rods have spring loaded external dust protecting boots so the pull rod is always covered for extra seal protection and pull rods are not exposed to contaminates.
- Double lip oil seal on pull rod and reset operator for secure dust and weather protection to IP 66/67.
- Increased functional safety through non-metallic pull rod bushing; no electrolysis issues between the safety mechanism (pull rod) and bushing
- Positive drive action from cams through to switching contacts provides mechanical forcing of the trip contacts.
- IP 66/67 S.P.D.T Change-over Safety Micro Switches with Direct Opening Action (IEC 60947-5-1 Annex K) in contact element form C tested and passed too IEC 60947-5-1.
- Cam design compensates for pull cord expansion/contraction up to 15mm either side of the set point. Eliminates nuisance tripping due to vibration.

## VARIATIONS

NO VARIATIONS FOR THIS DEVICE

## INSTALLATIONS

One device mounted for every 50M of pull cord

- **Remote End;** A matched compensation spring (P/N PS-60)must be fitted to the remote end attachment to allow tripping in both directions. This setup will comply with safety critical functions AS/NZS 4024.3610 -2015 section 2.10.5 Emergency Stop and ISO 13850 Emergency Stop Function - Principles For Design.
- Adjust pull cord until there is 75mm from the end of the pull rod to the device housing. Device setting is via a rope grip or turnbuckle from the outside of the Device. No internal access needed to adjust to set point.

**See installation instruction**

## STANDARDS COMPLIANCE

**AS/NZS 4024 Series** **AS/NZS IEC 60947.5.1:2015** **AS/NZS IEC 60947.5.5:2015**

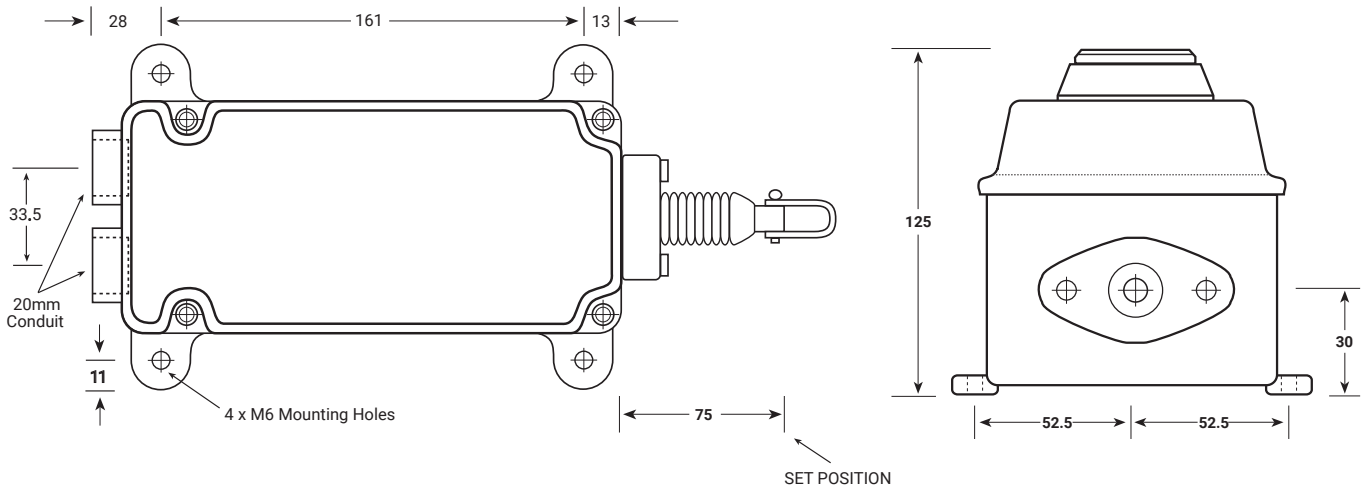
**IEC 60947.5.1:2016 RLV** **IEC 60947-5-5:1997+AMD1:2005+AMD2:2016 CSV**

**WHS (Mines) Regulations 2022 part 5.1 division 2, 191**

## ENCLOSURE SPECIFICATIONS

- High Impact PC/PBT - Non Corrosive Material.
- UV Stabilised. (See RTP 2099 Spec Sheet)
- Flame retarded ASTM.UL94.V-0 (1.5mm)
- Resists splash and spillage of most hydrocarbon solvents, mild acids and strong alkali. (See RTP 2099 Spec Sheet)

## DIMENSIONS



## ELECTRICAL SPECIFICATIONS

| Device No. | Type | Voltage | Current | Mechanical Endurance | Operating Temp. |
|---|---|---|---|---|---|
| PS-P | S.P.D.T Change-over Safety Micro Switch with Direct Opening Action | AC - 15 250 V AC<br>DC - 13 60 V DC | 1.5 A<br>0.5 A | 1.5 million Operating Cycle | -25°C to 85°C |
| PS-P-2 | | | | | |
| PS-P-3 | | | | | |

## ORDERING DETAILS

| STANDARD DEVICE | PART NUMBER |
|---|---|
| Standard Device with 1 S.P.D.T Safety Micro Switches with Direct Opening Action | PS-P |
| Standard Device with 2 S.P.D.T Safety Micro Switches with Direct Opening Action | PS-P-2 |
| Standard Device with 3 S.P.D.T Safety Micro Switches with Direct Opening Action | PS-P-3 |
| Matched S/S Compensation Spring | PS-60 |
| External Indicator Flag | PS-F |