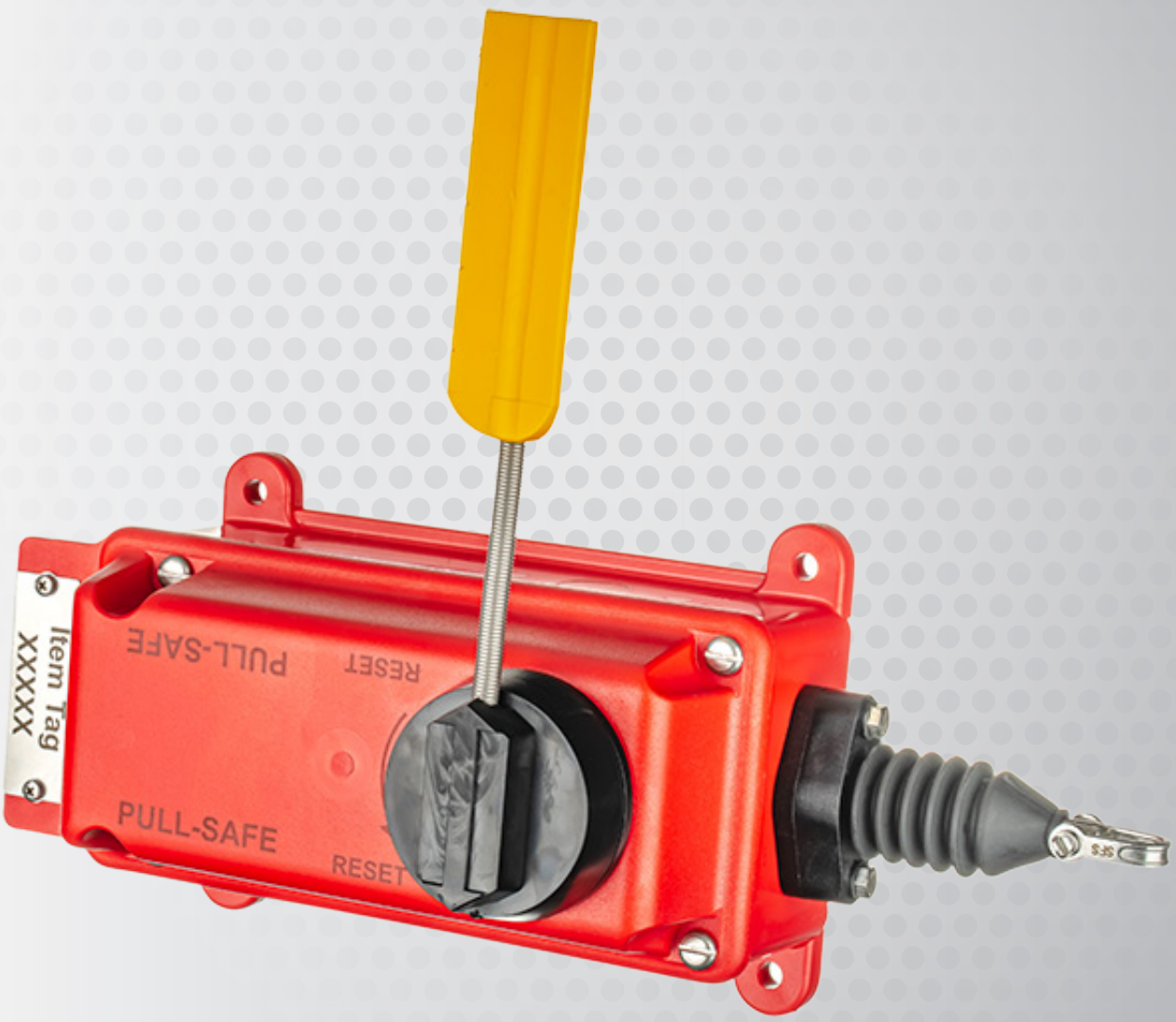


GENERAL INDEX - ENCLOSURE TYPES

2 PC/PBT PLASTIC

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**

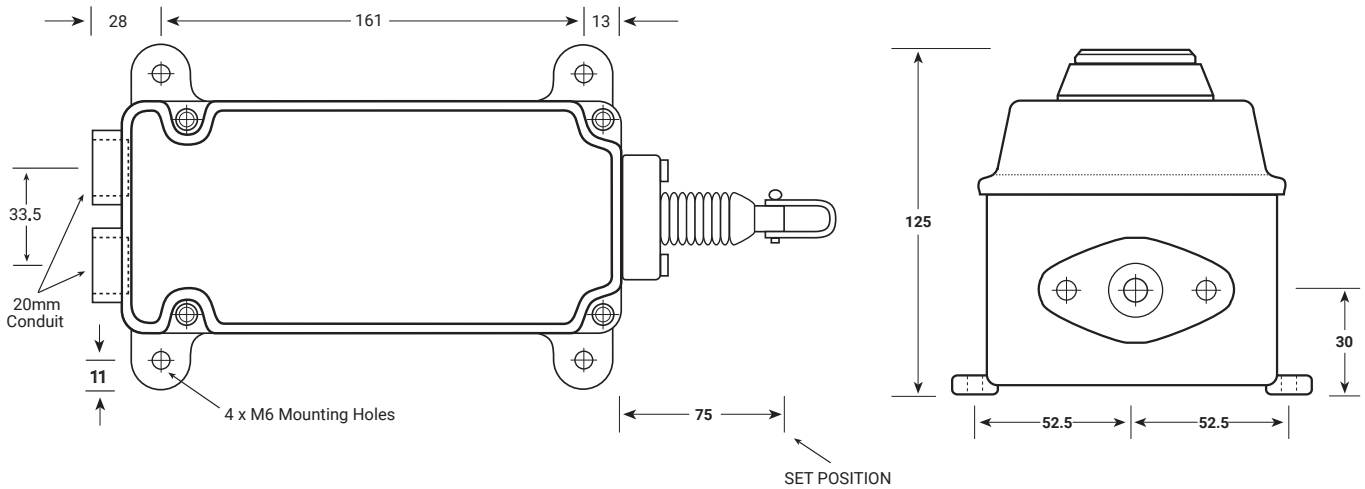
IEC 60947.5.1:2016 RLV **IEC 60947-5-5:1997+AMD1:2005+AMD2:2016 CSV**

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 DC - 13 60 V DC	1.5 A 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