

SAFE-T-PULL®

CE Conformity



Switch features 3 Fail Safe Trip Modes designed for high performance levels.

Tested to
IP67

Photograph shows the optional Signal Flag.



The **SAFE-T-PULL** Pull Wire Switch has been tested to the requirements of AS 1755 - 2000.

Tripping occurs under the following conditions:-

- (a) One or both trip wires are removed
- (b) One or both trip wires are overtensioned
- (c) One or both trip wires are activated
- (d) Manual trip via reset knob.

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

FEATURES

- Tamper Proof Switch Plate Mechanism.
- Absolute simplicity in initial setup and adjustment.
- 2mm 316 Electro Polished Stainless Steel enclosure.
- Simple design ensures low maintenance.
- Stainless steel internal compression type springs.
- Pull rods 316 stainless steel.
- Pull rods have spring loaded external dust protecting boots so the pull rod is always covered for extra seal protection.
- Double lip oil seals on pull rods and reset operator for secure dust and weather protection to IP 67.
- Non-metallic pull rod bushings.
- Three fail safe trip mechanism to ensure safety.
- Positive drive action switching contacts provides mechanical forcing of the trip contacts.
- Complies to AS/NZS 3947.5.5:2000 IEC 60947-5.5:1997
- Internal switch connections are fully shrouded for added safety during inspection.
- Switches have forced open double break, double make Gold Flashed/Silver contacts for reliable low voltage signalling.
- Cam design compensates for pull wire expansion/contraction up to 30mm either side of the set point. Eliminates nuisance tripping due to vibration.
- Pull forces to actuate trip @ 60Nm (6Kg) 90° to pull wire axis and 90Nm (9Kg) along pull wire axis.

PULL WIRE SWITCH

SAFE-T-PULL

VARIATIONS

- Max 4no + 4nc contacts,
- External signal flag,
- External lights,
- Single sided operation, right hand or left hand,
- Gold Plated Fail Safe Contacts.

REMOTE END

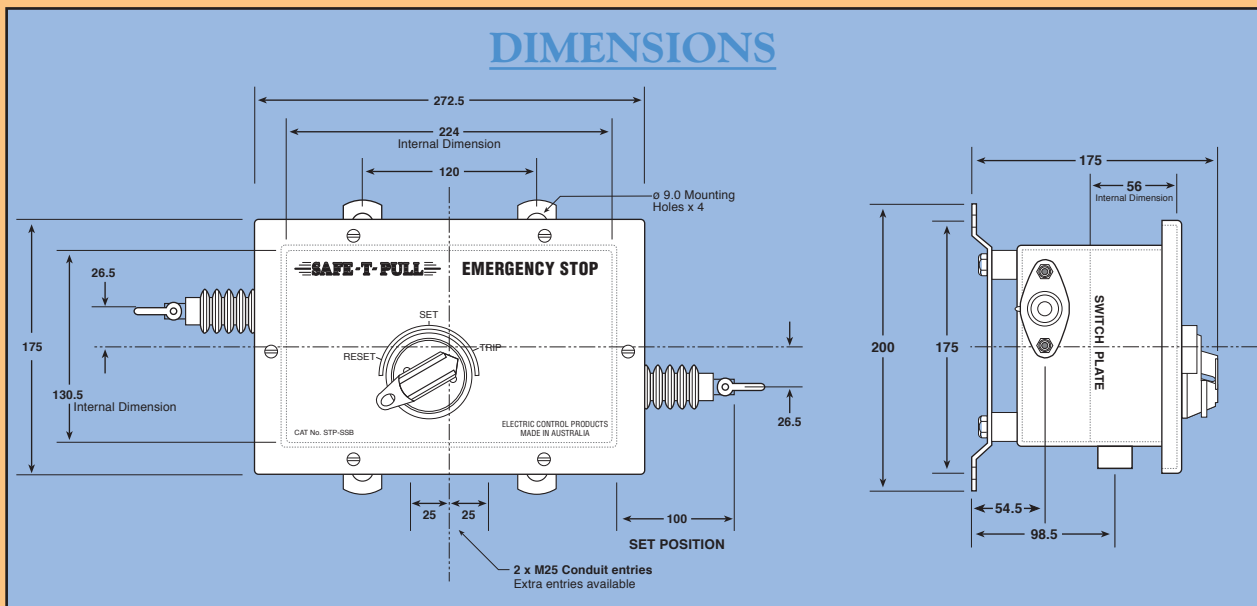
- Matched stainless steel compensation springs for remote end attachment. P/N STP-E60
- To comply with AS 1755 - 2000 Clause 2.7.9.1 (f). A matched compensation spring must be fitted to the remote end of the Pull Wire to allow tripping in both directions.

INSTALLATION

One centrally mounted switch for every 200m of pull wire. Consult AS 1755 - 2000 for mechanical installation.

SWITCH SETTINGS

Adjust each pull wire until there is 100mm from the end of the pull rod to the switch housing.



ORDERING DETAILS

Standard Switch with 2 NO 2 NC
S.P.D.T Fail Safe Contacts..... **STP-SSB-2**

Add to above Cat No. for variations:

4 NO and 4 NC contacts..... **-4**
 External signal flag..... **-F**
 External strobe light..... **-S + volts & color**
 External tripped indicator light **-LED + volts**
 (only Red Available)
 Left hand operation only..... **-LH**
 Right hand operation only..... **-RH**

Matched SS Compensation Spring..... **STP-E60**

ENCLOSURE SPECIFICATIONS

- 2mm 316 Electro Polished Stainless Steel.

GENERAL CHARACTERISTICS

Forced Open Snap Action Switches

Comply with	IEC / EN61058, UL 1054
Rated Insulation voltage U_i	V 250V
Rated impulse withstand volt. U_{imp}	V 1500
Rated thermal current I_{th}	A 8
Rated operating current I_e :	ac 8A - 250V resistive load, 3A -250V inductive load
Ambient temperature	$^{\circ}C$ -25 +85
Electric shock protection	Class II
Pollution class	2
Life	cycles Mechanical 10^6 , electrical 5×10^5
Termination type	6.3 x 0.8 faston terminal

Manufactured in
Australia by:

Unit 2,
172 Beringarra Avenue,
Malaga WA 6090

Telephone: (08) 9249 1044
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 **Electric
Control**
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www.safe-t-pull.com

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PULL WIRE SWITCH