

Safe-T-Pull Pull Wire Switch

The Safe-T-Pull Pull Wire Switch has been tested to the requirements of AS/NZS 4024.3610:2015.

Tripping occurs under the following condition:

- (a) One or both trip wires are removed
- (b) One or both trip wires are over tensioned
- (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 done 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.
- Robust non-metallic 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 roads and reset operator for secure dust and weather protection to IP 67.
- Non-metallic pull rod bushings.
- Positive drive action switching contacts provides mechanical forcing of the trip contacts.
- Complies to AS/NZS IEC 60947.5.5:2015.
- Three fail safe trip mechanism to ensure safety.
- 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 signaling.
- 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.
- Padlock facility provided as standard.



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Kinder Australia Pty Ltd

26 Canterbury Road, Braeside VIC 3195
PO Box 1026, Braeside VIC 3195

☎ +61 3 8587 9111
☎ +61 3 8587 9101

✉ conveyorsolutions@kinder.com.au
ABN: 28 006 489 238

Safe-T-Pull Pull Wire Switch

VARIATIONS

- Max 4no + 4nc contacts,
- External signal flag,
- External light,
- Single sided operation, right hand or left hand,
- 316 stainless steel mounting feet,
- Two x M20 stainless steel armoured cable glands,
- Gold Plated Fail Safe Contacts.

INSTALLATION

One centrally mounted switch for every 200m of pull wire. Consult AS/NZS 4024.3610:2015 for mechanical installation.

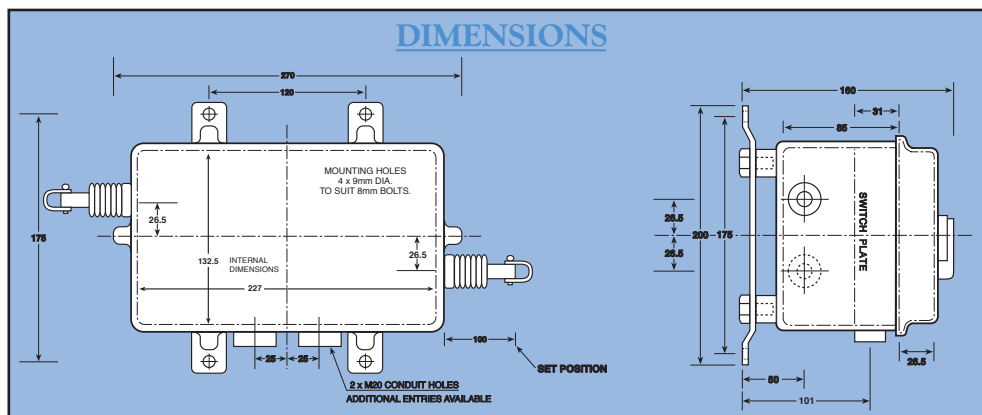
REMOTE END

- Matched stainless steel compensation springs for remote end attachment. P/N STP-E60

To comply with AS/NZS 4024.3610:2015. A matched compensation spring must be fitted to the remote end of the Pull Wire to allow tripping in both directions.

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-M-C-2
With 316 stainless steel mounting feet and 2 NO 2 NC S.P.D.T Fail Safe Contacts....	STP-M-B-2
<i>Add to above Cat No. for variations:</i>	
4 NO and 4 NC contacts.....	-4
External signal flag.....	-F
External strobe light.....	-S + volts & color
Left hand operation only.....	-LH
Right hand operation only.....	-RH
Two x M20 stainless steel armoured cable glands.....	-ACGS
Matched SS Compensation Spring.....	STP-E60

ENCLOSURE SPECIFICATIONS

- High Impact PBT/PC Non Corrosive Material.
- U.V Stabilised. (See Valox Specs Sheet)
- Flame retarded ASTM.Ul94.V-0 (1.6mm)
- Resists splash and spillage of most hydrocarbon solvents, mild acids and strong alkali. (See Valox Specs Sheet)

GENERAL CHARACTERISTICS

Forced Open Snap Action Switches

Comply with	IEC / EN61058, UL 1054
Rated Insulation voltage Ui	250V
Rated impulse withstand volt. Uimp	1500
Rated thermal current Ith	8
Rated operating current Ie:	ac
	8A - 250V resistive load,
	3A - 250V inductive load
Ambient temperature	°C
Electric shock protection	-25 +85
Pollution class	Class II
Life	2
Termination type	cycles
	Mechanical 10 ⁶ , electrical 5x10 ⁵
	6.3 x 0.8 faston terminal



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