

SAFE-T-PULL®

CE Conformity

Ex STATIC DISSIPATIVE - Non Tension



Switch features 3 Fail Safe Trip Modes. Designed for safety systems.

*Illustration only.
Photograph
shows optional
Signal Flag fitted.*

*Tested
to*

**MDG 3608
7.2.2.1**



The **SAFE-T-PULL** Ex Static Dissipative Pull Wire Switch has been tested to the requirements of AS 1755 - 2000 and MDG 3608 7.2.2.1

Tripping occurs under the following conditions:-

- Breaking of communication cable pull wire
- One or both trip wires are activated
- Manual trip via reset knob.

The switch can be reset but both trip wires must be attached for correct operation. Manual reset via the external reset knob is required after a trip has occurred.

Tested to and complied with the Anti Static properties (Electrical Resistivity) requirements of MDG 3608.

FEATURES

- Safe-T-Pull SR is a simple apparatus (IEC/AS 60079.11.2011) and has a surface resistivity well below the 1 GΩ allowed in these standards. Used with an intrinsically safe circuit, this product can be used in Ex zones.
- Fitment of any intrinsically safe 2 or 3 wire bus system compliant.
- 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 rods 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 3947.5.5: 2000 IEC 60947-5.5: 1997
- Three fail safe trip mechanism to ensure safety.
- Internal switch connections are fully shrouded for added safety during inspection.
- Switches have either silver or gold S.P.D.T forced open contacts.
- 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

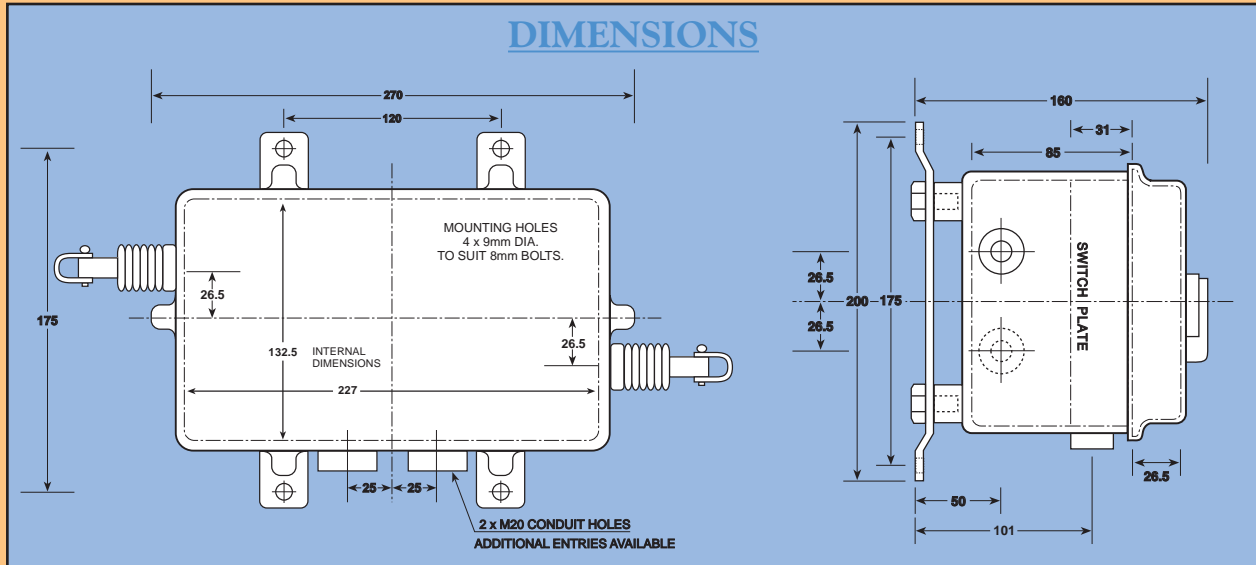
VARIATIONS

- Max 4no + 4nc contacts
- External signal flag
- External light
- Single sided operation, right hand or left hand
- 316 stainless steel mounting feet
- Silver or Gold forced open contacts

INSTALLATION

The switch **must** use a communication cable for a pull wire and **must** connect from switch to switch.

Each switch must be mounted at a maximum distance of 100m. Consult AS1755-200 and installation instructions for installation guidelines.



ORDERING DETAILS

Standard Switch with 2 NO 2 NC silver S.P.D.T Fail Safe Contacts..... **STP-SD1-C-2-NT**

With 316 stainless steel mounting feet and 2 NO 2 NC Silver S.P.D.T Fail Safe Contacts..... **STP-SD1-B-2-NT**

Standard Switch with 2 NO 2 NC Gold S.P.D.T Fail Safe Contacts..... **STP-SD01-C-2-NT**

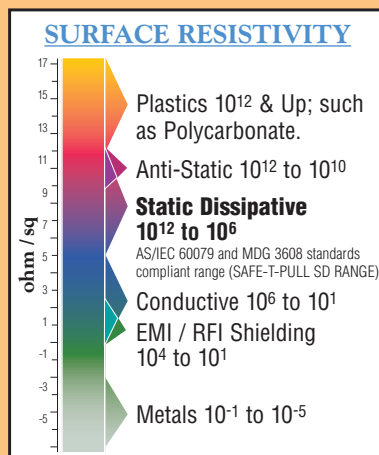
With 316 stainless steel mounting feet and 2 NO 2 NC Gold S.P.D.T Fail Safe Contacts..... **STP-SD01-B-2-NT**

Add or replace to above Cat No. for variations:

- 4 NO and 4 NC contacts -4
- External signal flag -F
- External red LED light -S
- Left hand operation only..... -LH
- Right hand operation only..... -RH

ENCLOSURE SPECIFICATIONS

- High Impact PBT/ PC Non Corrosive Material.
- UV Stabilised.
- Flame retarded ASTM. UL94.V-0 (1.6mm)
- Dissipative IE9 ohm Surface Resistance.
- Resists splash and spillage of most hydrocarbon solvents, mild acids and strong alkali.



CONTACT RATINGS

Switch Type	STP-SD01
Contact Type	Needle
Contact Material	Gold
Rating	125VAC / 30VDC 0.1 Amp
Minimum applicable load	5 VDC / 1mA
Operating frequency	Mechanically : 300 operations / min
Contact resistance	30 mΩ max
Dielectric strength	100VAC, 50/60 Hz for 1 minute between non-continuous terminals
Ambient operating temperature	-40 °C - +85°C
Service life	Mechanically: 10, 000, 000 Electrically: 5, 000, 000
Switch Type	STP-SD1
Switch Type	Needle
Contact Material	Silver
Rating	125VAC / 30VDC 1 Amp
Minimum applicable load	5 VDC / 30mA
Operating frequency	Mechanically : 300 operations / min
Contact resistance	30 mΩ max
Dielectric strength	100VAC, 50/60 Hz for 1 minute between non-continuous terminals
Ambient operating temperature	-40 °C - +85°C
Service life	Mechanically: 10, 000, 000 Electrically: 5, 000, 000

Manufactured in Australia by:
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Telephone: (08) 9249 1044
Facsimile: (08) 9249 2202
www.safe-t-pull.com

Electric Control
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PULL WIRE SWITCH