

SAFE-T-DRIFT®

Ex STATIC DISSIPATIVE

CE Conformity

Conveyor Belt Misalignment Switch

Tested to

MDG 3608

7.2.2.1



Photograph displays vertical roller arm fitted. Order as separate item.



Made in Western Australia

The **SAFE-T-DRIFT** Ex Static Dissipative Heavy Duty Belt Misalignment Switch, is made for applications requiring a unit which caters for high speed belt applications in Ex Zones, having a pre-warn trip contact and a final trip contact, both individually adjustable.

Dual operation (ie. right hand/left hand is also available). It's unique spring/cam operator ensures long, trouble free operation, in the most severe environmental situations.

FEATURES

Switch Unit:

- Safe-T-Drift SD 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.
- Robust UV stable, flame retardant (V0 rating) PBT/PC non corrosive plastic enclosure to IP67.
- All external fixings etc. are 316 Stainless Steel.
- Operating shaft bearings are UV stable, flame retardant PBT/PC plastic, for long maintenance free operation.
- Operating shaft sealing via a double lip oil seal, with external dust protecting boot.
- 90° full movement of operating arm with easily adjustable switching points from 5° to 75°.
- Standard unit has both ALARM & TRIP Silver or Gold Contact micro switches, each with 1no + 1nc change over contacts.
- Micro switches pre wired to tunnel terminals.

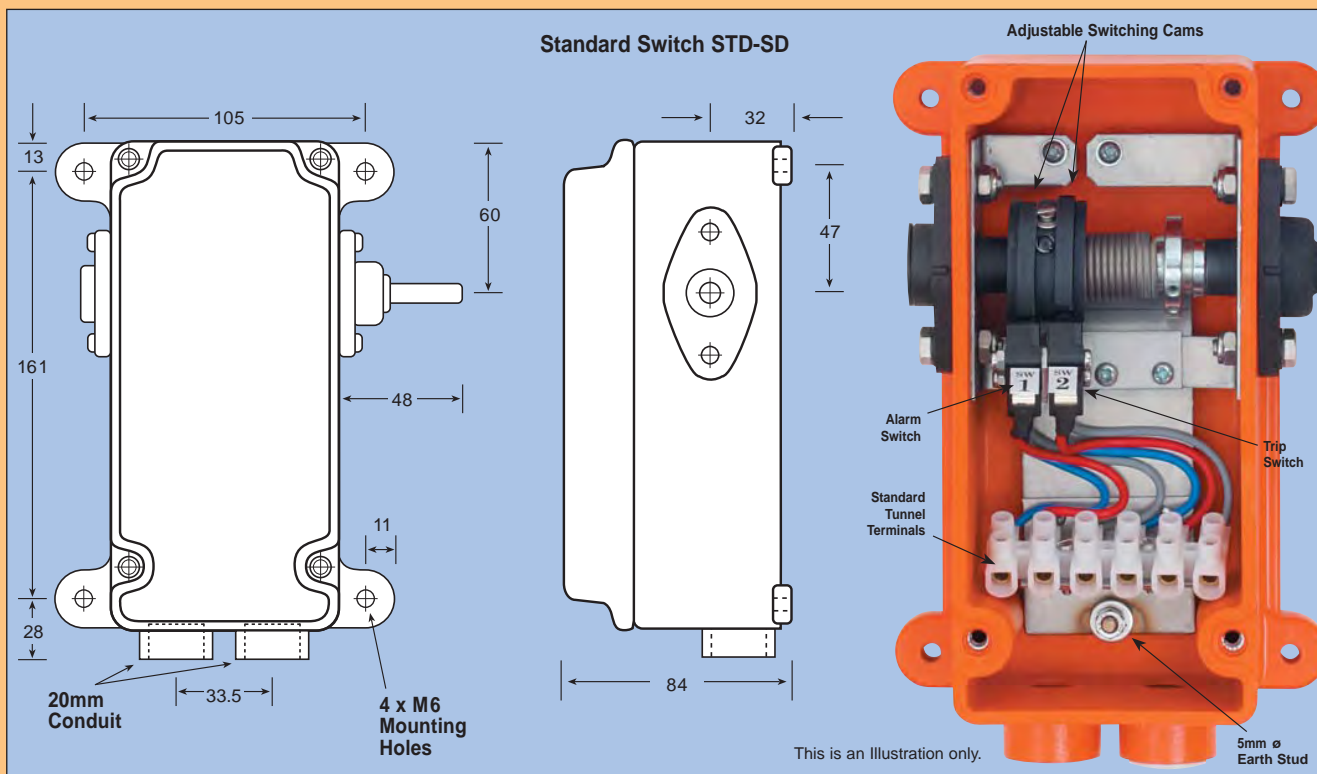
Roller Arms:

- Solid or sprung shaft roller mounting arms, available either vertical or horizontal.
- Rollers are Stainless Steel, 50mm diameter with high speed sealed ball bearings.
- Arms are fully adjustable through 360°.

BELT MISALIGNMENT SWITCH

SAFE-T-DRIFT

DIMENSIONS



RATINGS

Model	Contact Material	Contacts	Rated Voltage	Resistive Load	Minimum Applicable Load	Typical Application
STD-SD1	Silver	Needle	125 VAC	1 A (No Inrush)	—	Intrinsically Safe Circuits
STD-SD1	Silver	Needle	30 VDC	1 A (No Inrush)	5 VDC / 30mA	Intrinsically Safe Circuits
STD-SD01	Gold	Twin Crossbar	125 VAC	1mA (No Inrush)	—	2 or 3 Wire Bus Systems
STD-SD01	Gold	Twin Crossbar	30 VDC	1mA (No Inrush)	5 VDC / 30mA	2 or 3 Wire Bus Systems

ORDERING DETAILS

NOTE: Order Switch Unit and Roller Arm

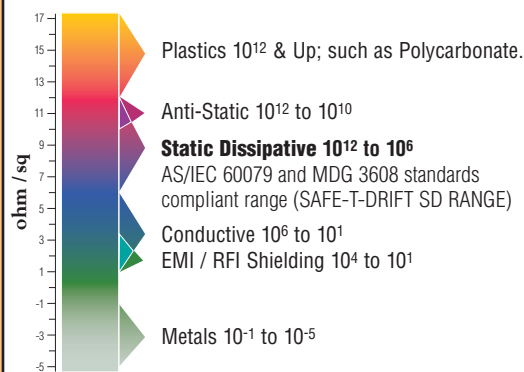
Standard Switch w/-1 Amp Silver Micro Switches..... STD-SD1
 Standard Switch w/-0.1 Amp Gold Micro Switches..... STD-SD01
 Dual Switching 1 Amp Silver Micro Switches..... STD-SD1-D
 Dual Switching 0.1 Amp Gold Micro Switches..... STD-SD01-D
 Standard Switch w/-spec terminals and
 1 Amp Silver Micro Switches..... STD-SD1-K
 Standard Switch w/-spec terminals and
 0.1 Amp Gold Micro Switches..... STD-SD01-K
 Dual Switching w/-spec terminals and
 1 Amp Silver Micro Switches..... STD-SD1-D-K
 Dual Switching w/-spec terminals and
 0.1 Amp Gold Micro Switches..... STD-SD01-D-K
 Horizontal Roller Arm..... STD-HA
 Horizontal Sprung Roller Arm..... STD-HASR
 Vertical Roller Arm..... STD-VA
 Vertical Sprung Roller Arm..... STD-VASR

Other variations available: See price list

ENCLOSURE SPECIFICATIONS

- IP67, UV stable, high impact, chemical resistance, flame retardant (V0) PBT/PC material.
- Dissipative <IE9 ohm surface resistivity.

SURFACE RESISTIVITY



Manufactured in Australia by:

Unit 2,
172 Beringarra Avenue,
Malaga WA 6090

Telephone: (08) 9249 1044

Facsimile: (08) 9249 2202

Electric Control
PRODUCTS

www.safe-t-drift.com

Sold by:

R&D Technology

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