

# CONVEYOR BELT MISALIGNMENT DEVICE

**2MM 316 ELECTRO POLISHED STAINLESS STEEL**



Illustration only, actual product may differ.  
Photograph displays vertical roller arm fitted.  
Order as separate item

**Tested to IP66/67**  
**CE Conformity**

The SAFE-T-DRIFT heavy duty Protective Stop Control Belt Misalignment Device, is made for applications requiring a unit which caters for high speed belt applications, having a cam driven drift alarm micro switch with direct opening action and direct opening action trip micro switch. The cams are individually adjustable for finer alarm and trip points.

The device may be ordered in either the standard right handed shaft operation or left handed shaft. It's unique dual direction sprung cam operator system coupled with the IP66/67 high speed roller ensures long, trouble free operation, in the most severe environmental situations.

## DEVICE FEATURES

- » 316 2mm electro polished stainless steel enclosure to IP66/67.
- » All external fixings etc. are 316 Stainless Steel.
- » Operating shaft bearings are UV stable, flame retardant (V0 rated) PC/PBT 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** 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.
- » Micro switches pre wired to tunnel terminals.

### ROLLER ARMS:

- » Solid or sprung shaft roller mounting arms, available either vertical or horizontal.
- » Rollers are IP66/67 316 Polished Stainless Steel and available in either 50mm diameter or 25m diameter with high speed sealed bearings.
- » Arms are fully adjustable through 360°.

## ENCLOSURE SPECIFICATIONS

316 2mm electro polished stainless steel enclosure to IP66/67.

## STANDARDS COMPLIANCE

AS/NZS 4024 Series

AS/NZS IEC 60947.5.1:2015

IEC 60947.5.1:2016 RLV

WHS (Mines) Regulations 2022 part 5.1 division 2, 191

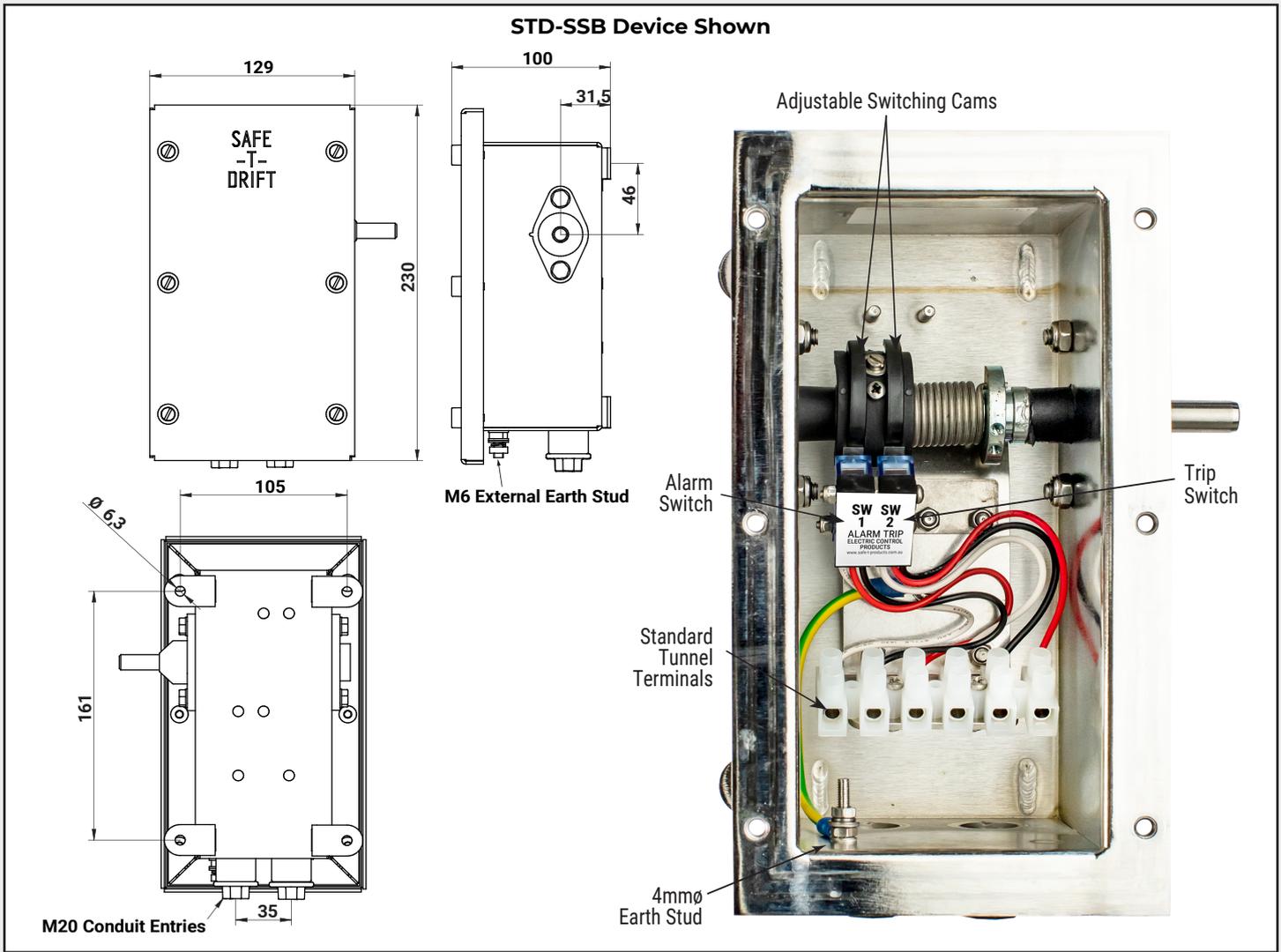


FOR MORE INFORMATION  
[www.safe-t-products.com.au](http://www.safe-t-products.com.au)



**DIMENSIONS**

STD-SSB Device Shown



**ELECTRICAL SPECIFICATIONS**

**IP 67 Safety Micro Switch with Direct Opening Action Specifications**

IEC 60947-5-1 Annex K classification	<input type="checkbox"/> Type 1	<input checked="" type="checkbox"/> Type 2 Direct Opening
Change-over contact element	<input checked="" type="checkbox"/> C	<input type="checkbox"/> Za <input type="checkbox"/> Zb
Contact material	Ag-Ni	
Utilization category	AC-15	DC-13
Operational voltage	230 V	60 V
Operational current	1,5 A	0.5 A
Frequency	50/60 Hz	-----
Number of electrical cycles	6050 (6 min-1)	
Number of mechanical cycles	6050 (6 min-1)	
Conventional free air thermal current	10 A	
Conventional enclosed thermal current	-----	
Operating Temperature	-35° C No Icing	+80° C

**Specifications (short-circuit with standability)**

Rated conditional short-circuit current	3 00 A	1 000 A
Short circuit protective device	Fuse 6 A gG (IEC 60269-2)	Fuse 6 A gR (IEC 60269-4)

**ORDERING DETAILS**

**NOTE: Order Device and Roller Arm**

DEVICE TYPE	PART NUMBER
Single Direction Switching	STD-SSB
Dual Direction Switching	STD-SSB-D
Single Direction Switching - DIN Rail Terminals Fitted	STD-SSB-K
Dual Direction Switching - DIN Rail Terminals Fitted	STD-SSB-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: Contact your distributor**