



Belt Drift Switch Type BDS1

By Austdac
Catalog # SW0065J

The Austdac Belt Drift Switch Type BDS1 is an effective solution to monitor conveyor belt location, providing reliable protection against misalignment and deviation. Our newly designed switch is robust and simple to install. The BDS1 switch provides volt-free contacts and can be connected to any digital control system or seamlessly integrated with Austdac conveyor safety systems, ensuring conveyor damage prevention, hazard mitigation, and uninterrupted productivity.

The BDS1 switch enables early detection of belt misalignment, incorporating two individual SPDT changeover switches to alert users at two specific points of deviation, allowing for the setup of warning and trip positions. The user-adjustable roller arm actuation triggers switches at 15 and 25 degrees, and features stainless steel construction with long-lasting bearings, promoting durability and extended lifespan. Several available lengths ensure a suitable fit for varying conveyor sizes.

Features

- Two individual SPDT switches with positive opening operation and self-cleaning contacts in compliance with IEC 60947-5-1, Annex K
- Volt-free contacts connect to any digital control system
- Mounting for Austdac SILBUS or HubBus transmitters
- Includes (2) M20 gland entries for cable access
- Constructed of UV-resistant, antistatic polycarbonate, UL94 HB flammability rated
- Wide operating temperature range, -50°C to +60°C
- Roller arm actuator
- IP66

General

Catalog Number	SW0065J
Color	Safety Yellow
Material	UV-resistant, antistatic polycarbonate, UL94 HB flammability rated
Operating Temperature Range Celsius	-50°C to +60°C [-58°F to +140°F]



Dimensions

Depth	4.7 in
Depth Metric	124 mm
Height	9.8 in
Height Metric	252 mm
Width	4.1 in
WidthMetric	105 mm

Certifications And Compliance

Industry Standard(s)	<ul style="list-style-type: none">• Compliant with IEC 60947-1, IEC 60947-5-1 Annex K and UL508• UL Listed (pending)• CSA Listed (pending)• As an Ex i simple apparatus, IECEx and ATEX certification not required
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Product Assets

[Brochures - BDS1 Belt Drift Switch](#)
[Literature - Belt Drift Switch Type BDS1](#)