

# Model NSR66-BD3 Belt Damage Detector

## Specifications

The model NSR66-BD3 Belt Damage Detector switches are conveyor safety accessories designed to interlock with conveyor shut down systems in the event of a damaged belt. This simple system will shut down the conveyor belt and protect you from costly repairs and downtime due to belt damage. The micro switch used in the products is approved by VDE. All products are produced as accordance with CE standards. Also It meets EAC standards for the Russian market. The Model NSR66-BD3 is designed to shutdown a conveyor system, in the event of belt damage. It warns supervisory personnel of impending belt failures due to rips, punctures, splice failures and sharp objects protruding through the belt carcass. Belt damage detectors are mounted in pairs positioned on both sides of the moving conveyor belt.

The units are connected by two spans of aircraftcable. One endof the cable mounts permanently to a support bracket and the other connects to a spring load ed ball located on the detector. The aircraft cables loop underneath the belt from each side crossing at the midpoint. A belt problem is detected when an object or piece of damaged belt hangs below the belt surface and sweeps away one or both cables. As the cable is detached, it pulls a spring loaded ball out of a socket, causing two micro switches to trip. One for annunciation to a PLC or alarm system and the other to shut down the conveyor belt lessening the potential damage and downtime that will be caused without this type of detection.

#### **Technical Specifications**

Body : Aluminum Casting NEMA-4

- Micro Switch Values : 15A @ 115-230 VAC, 30 VDC
- Output Signal : (2) SPDT shutdown (Alarm, Closure)
- Cable Entry : 2xM25
- Movement Angle : 15° 25°
- Temperature Rating : -42° 80°C
- Protection Class : IP67

#### Applications

Convensional Conveyor Belts Piston Conveyors Shuttle Conveyors Ship Loading/ Unloading Systems Stockplile/ Reclaim Systems Crawler Conveyors Heavy Duty Applications

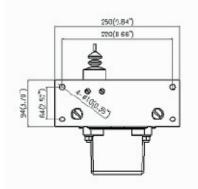
### Approvals for Safety

Dimensions

Meets Electrical Safety

Meets Mechanical Safety Meets Functional Safety Meets Outdoor/Noise/Vibration Certificate IEC 60947-1: 2004-03 IEC 60204-1: 2005-10 IEC 60204-1: 2005-10 IEC 60529: 2001-02 €€

IEC 60204-1: 2005-10



Product Image

