

Model NSR66-BM Belt Misalignment Switch

Specifications

The Model NSR66-BM Belt Misalignment switches are conveyor safety accessories designed to alarm and/or shut down conveyor systems in the event of a conveyor belt misalignment. The heavy duty rugged design makes them suitable for most industrial applications, requiring long-term reliable equipment. The micro switch used in the products is approved by VDE. All products are produced in accordance with CE standards. Also It meets EAC standards for the Russian market. The action of a belt misalignment switch can save you money by reducing downtime and maintenance costs. Robust die cast aluminum housing with epoxy based powder coat finish and all stainless steel external hardware. The Model NSR66-BM Belt Misalignment Switch is designed to prevent damage to belts and equipment due to a misalignment condition of the conveyor belt.

They are normally located (0,50m - 1,80 m) from the head and tail pulley on both sides of the belt with the roller arm positioned approximately 2,54cm from the normal belt position. If the belt begins to wander, it makes contact with the roller arm causing it to spin. As more force is applied to the roller arm it will rotate away from the normal position and at 10° it will actuate the first alarm SPDT micro switch. The first micro switch will annunciate the alarm condition to the control system so corrective action can be taken. If the belt continues to track off it will cause the roller arm to rotate from its 10° position to the 20° position, which will activate the second alarm SPDT micro switch. This second micro switch is wired into the motor starter of the conveyor belt to shut it down. The NSR66-BM switches will allow you to reduce downtime and maintenance associated with belt tracking problems.



Technical Specifications

- Enclosure : 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° and 25°
- Temperature Rating : -42° - +80° C
- Mounting Structure : It is suitable for double-sided use.
- Protection Class : IP67
- Warranty Period : 36 Months

Option

- Indicating Light
- Manual Lock Out
- Adjustable Angle

Approvals for Safety

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

Applications

Cranes, Shaveles and Drag Lines	Ship Loading / Unloading Systems
Conventional Conveyor Belts	Stockpile / Reclaim Systems
Piston Conveyors	Crawler Conveyors
Shuttle Conveyors	Heavy Duty Applications

Technical Drawing

