

Model BSM60 and BSM60B Belt Speed Monitor

Description

BSM60 Belt Speed Monitors are used to control the speed of a conveyor belt. Variety of reasons including wear and tear on belt, overloading of the belt, mechanical obstructions could lead to slowdown of conveyor belts. When unnoticed, these could lead to excessive wear on driving motors and eventual shutdown which would be costly to fix.

BSM60 Belt Speed Monitor is connected to a non-driven shaft (eg. bend pulley) with a special coupling. Switch is suspended with a restraint arm and spring to enable a floating connection to reduce the stress on the shaft. Then the BSM60 will generate pulses that can be read through a totalizer/integrator to detect the speed of the pulley. BSM60 is used for belt speeds between 20 and 280 rpm. BSM60B is for slow speeds between 3 and 30 rpm.

The product is suitable for reliable long term usage in most industrial applications due to its heavy-duty design. Anti-static powder coated aluminium cast enclosure is resistant to corrosion and oxidation. Shaft mechanism is made of stainless steel and all internal parts are metal cast. BSM60 series products do not require any maintenance. All models conform to CE (European Union) and EAC (Eurasian Customs Union) standards.

Technical Specifications

- Enclosure: Aluminium Casting
- Supply Voltage (only for BSM60B): 5-30 VDC
- Cable Entry: 1 x PG16
- Temperature Rating: -30°C to +80°C
- Detection Speed: 20-280 rpm for BSM60. 3-30 rpm for BSM60B
- Rope Length: 2 x 50 metres
- Protection Class: IP65 / NEMA 4X
- Enclosure Color: Red (RAL 3020)
- Mounting: Suspended with restraint arm and spring. Coupled to pulley shaft.
- Impact Rating: IK09 (EN 62262)
- Warranty Period: 24 Months

Options

- PPR Setting
- Yellow Enclosure
- 1/2"-14 NPT Entry

Safety Standards

- Electrical Safety EN 60947
- Mechanical Safety EN 60204
- Outdoor Safety EN 60529
- Impact Resistance EN 62262

Comformity

CE EAC

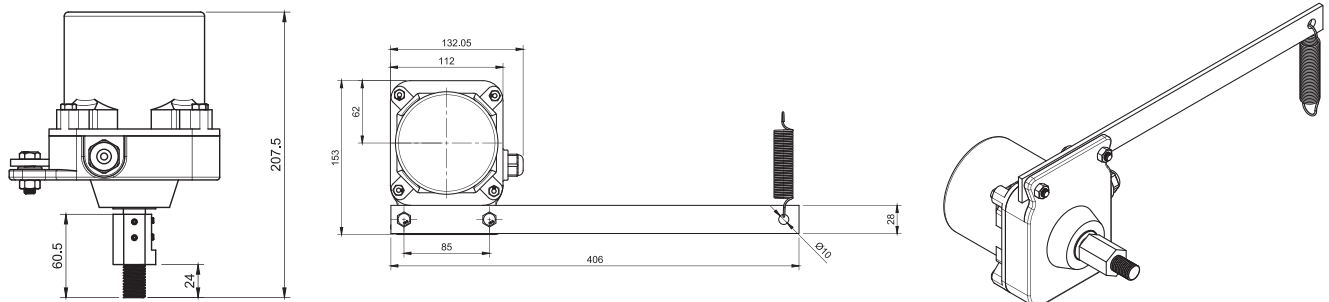


Spare Parts

- Shaft Coupling
- Restraint Arm
- Spring

Please refer to the manual for instructions. See our KBT Accessories catalog for installation equipment.

Technical Drawing



Dimensions are in mm.

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