austdac®

BRS1 Belt Rip Switch

Monitor and protect your conveyor belt

Monitor and protect belt safety

The Austdac BRS1 Belt Rip Switch provides crucial safety for conveyor systems. When belt tears or foreign objects protruding through the belt are detected, it can shut down the conveyor operation.

The rip switch acts as an early warning system. Position it strategically near transfer points along the conveyor. Add it at regular intervals on longer systems. The BRS1 ensures smooth and safe conveyor system operations, minimizing downtime and reducing maintenance costs.

Features

- Volt-free contacts connect to any digital control system
- Mounting for Austdac SILBUS or HubBus transmitters
- Includes two 20mm gland entries for cable access
- Screw terminal connections
- Constructed of UV-resistant, antistatic polycarbonate, UL94 HB flammability rated
- Wide operating temperature range, -40°C to +60°C
- IP66

Certifications

- UL Listed (pending)
- CSA Listed (pending)
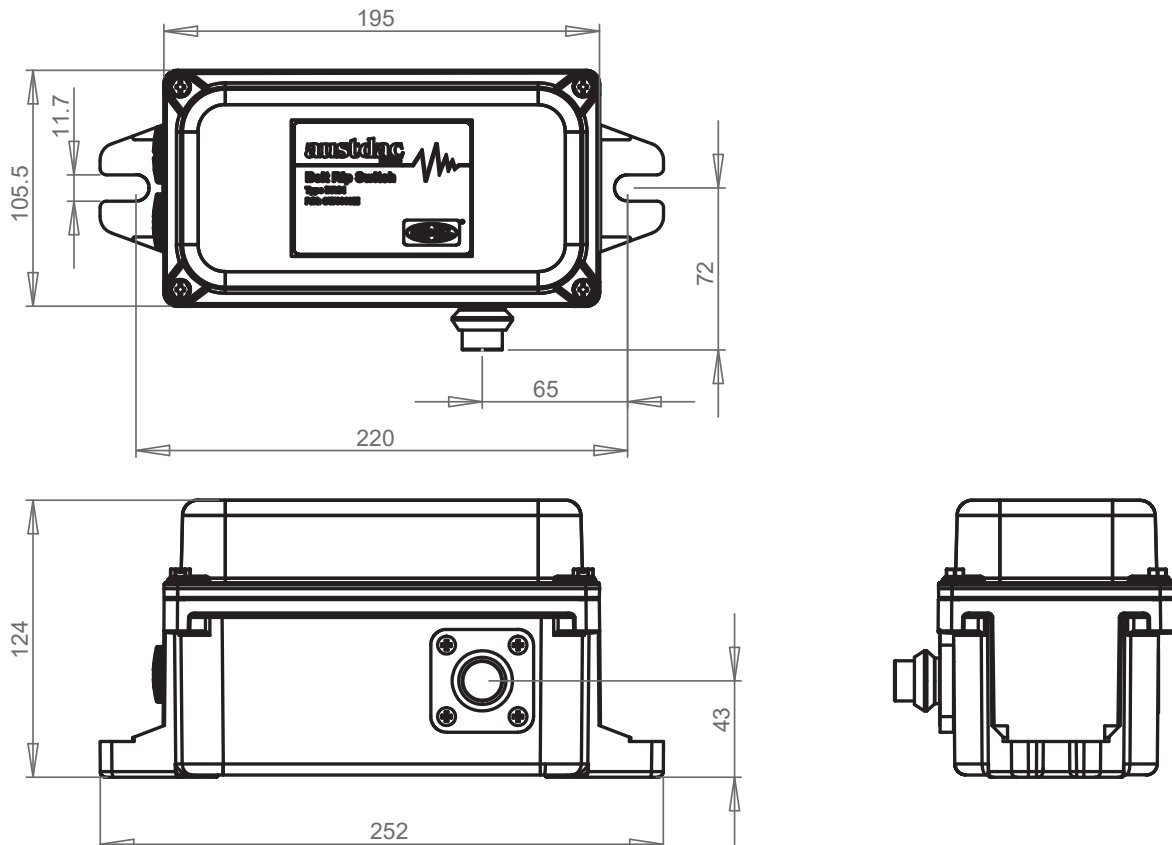- As an Ex i simple apparatus, IECEx and ATEX certification is not required

General	
Name	Belt Rip Switch, Type BRS1
Type	BRS1
Operating temperature *Note: Equipment placed inside may reduce overall system operating temperature range*	-40°C to +60°C -58°F to +140°F
Storage temperature	-50°C to +80°C -58°F to +176°F
Operating relative humidity range	10% to 90% non-condensing
Size H x W x D *(Not including Magnet Mechanism)*	252 x 105 x 124 mm 9.8 x 4.1 x 4.7 inches
Ingress protection	IP66
Electrical connections	Screw terminals
Maximum conductor size	2.5 mm^2 .09 inches^2
Housing material	Polycarbonate UL94 HB
Housing colour	Safety yellow
Actuator type	Magnet Switch
Fixing fasteners	2 x M8 or M10 bolts
Fixing centres	230 mm 9.05 inches
Fixing slots	20 x 11 mm 0.78 x 0.43 inches
Gland / cable entries	Two down facing
Gland size	20 mm
Mass	0.95 kg 2.1 pounds

Switch Contacts	
Input Type	SPDT
Number of Switches	1
Voltage Max	175 VDC 120 VAC
Current Max	250 mA DC 180 mA AC

Ordering Details

Description	Order Code
Belt Rip Switch - Type BRS1, comes with 5m wire rope, 2 x standoffs, 1 x tension adjustment	SW0065M

Dimensions

BRS1 Belt Rip Switch

**Find out more. Call your Austdac
Business Development Manager
for a demo or to request a quote.**

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