# Safety & Electrical Control Technology Solutions

## Electrical Safety Matters - Safeguarding Belts and Motors

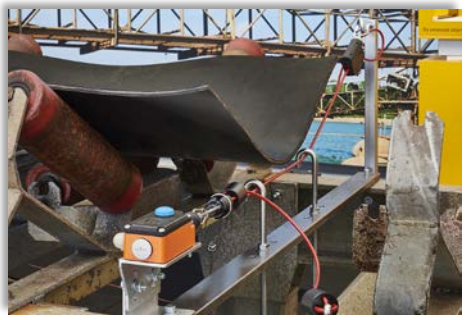
Kinder is a leading provider of cutting-edge safety and electrical control technology solutions.

Protect your operations' most valuable assets – conveyor belts, personnel, and electric motors – with our comprehensive range of emergency safety solutions, belt alignment systems, belt rip detector switches, and electric motor covers. These solutions are designed to ensure the longevity of your equipment and prevent costly downtime.

### Precise Belt Alignment for Optimal Performance

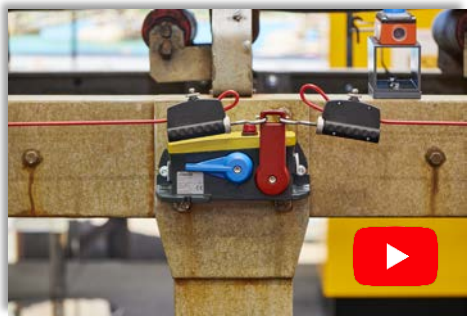
Our Belt Alignment switches continuously monitor belt position and prevent costly misalignments.

They promptly detect any deviations and can trigger a warning before stopping the conveyor if tracking reaches a critical limit. This results in proactive maintenance and minimal downtime.



### Protecting Against Belt Rips and Catastrophic Failure

Our Belt Rip Detector switches are your reliable safeguard against the hazards of conveyor belt rips. They are designed to prevent a simple rip from escalating into a major incident, potentially causing injuries, equipment damage, and costly downtime. The switch offers adjustable staggered contacts to fine tune the required range of activation as well as an adjustable alignment lever to meet different belt profiles.



### Prompt Shutdown in Emergencies

Our Emergency Pull-Wire switches provide a reliable means of halting conveyor operations in emergency situations. With a simple pull of the wire, these switches trigger an immediate shutdown, preventing potential accidents and injuries. Built for durability, reliability, and peace of mind.

### Protect and extend Motor Life

K-Motorshield Motor Covers provide a protective barrier against dust, debris, and water ingress, which can cause premature failure to electric motors. These covers are designed to allow for proper airflow while preventing harmful contaminants from entering the motor, extending its lifespan and reducing maintenance costs.



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## Emergency Pull-Wire Switch – ZS 80 KST & ZS 92 S / KST

**Key Features:**

- Pull-wire unit and screws made of stainless steel (NIRO).
- High degree of protection IP 67.
- Suitable for the food industry.
- Thermoplastic enclosure.
- 4 contacts.
- Position indicator and integrated emergency-stop push button.
- Wire length up to 75m, however relevant AS NZ 4024.3610-2015 Safety Standards must be followed.
- Spring force variant: 100N.
- Lever for release and position indication.


ZS 80 KST NIRO

**Key Features:**

- Pull-wire unit and screws made of stainless steel (NIRO).
- High degree of protection IP 67.
- Thermoplastic enclosure.
- 4 contacts.
- Position indicator.
- Wire length up to 75m, however relevant AS NZ 4024.3610-2015 Safety Standards must be followed.
- Spring force variant: 100N.
- Lever for release and position indication.
- Watertight collar.
- Wire pull and breakage detection.


ZS 80 KST W/O PB NIRO

**Key Features:**

- Temperature resistant from -40 °C … +85 °C.
- High degree of protection IP 66 / IP 67 / IP 69.
- Wire length up to 2 x 100m, however relevant AS NZ 4024.3610-2015 Safety Standards must be followed.
- Corrosion-resistant aluminium die-cast enclosure.
- Back and base mounting possible.
- Screws made of stainless steel.
- Release by lever, reset lever at the front side or back side possible.
- Wire pull and breakage detection.


ZS 92 S

**Key Features:**

- Temperature resistant from -40 °C … +70 °C.
- High degree of protection IP 66 / IP 67.
- Wire length up to 2 x 100m, however AS NZ 4024.3610-2015 Safety Standards must be followed.
- Thermoset enclosure for application with aggressive bulk goods and environmental conditions.
- Back and base mounting possible.


ZS 92 S KST

ZS 92 S / KST - This product has been designed by Steute GMBH in accordance with Australian Standards. However, the customer is required to assess how this product complies in their specific application to meet the Australian Standard or their company's safety protocols.



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## Belt Alignment Switch ZS 92 SR / KST

**Key Features:**

- Temperature resistant from -40 °C … +85 °C.
- High degree of protection IP 66 / IP 67.
- Available in corrosion-resistant aluminium die-cast or thermoset enclosure for application with aggressive bulk goods and environmental conditions.
- Screws and belt alignment roller made of stainless steel.
- Available with toothed shaft P or clamping.
- Belt alignment lever adjustable in 12° steps using a self-locking mechanism.
- Back and base mounting possible.


ZS 92 SR


ZS 92 SR KST

## Belt Rip Detector Switch ZS 71 & Wire Kit

**Key Features:**

- **Temperature resistant from -25°C to +70°C**: Built to withstand extreme conditions.
- **LED Indicator:** Offers an instant visual notification of switch actuation, swiftly pinpoints the rip location, facilitating prompt repairs and maintenance.
- **IP65 Protection**: The switch is protected against dust ingress and low-pressure water jets, ensuring optimal performance in challenging industrial settings.
- **Snap action: 2 contacts:** 1NO/1NC offers reliable and precise activation, enhancing the safety of your conveyor system.
- **Aluminium die-cast enclosure:** Crafted from high-quality materials, the switch's enclosure ensures durability and long-lasting performance.
- **Push Button release:** Allows for the convenient reset of the switch after the rip in the belt has been fixed.

## K-MotorShield Motor Covers

**Key Features:**

- Durable and lightweight, allows for quick and easy installation/removal.
- Innovative snap on design.
- Standardised for any NEMA and IEC frame size.
- High resistance to chemicals and non-conductive properties.

**Key Benefits:**

- Decreases maintenance costs.
- Increases airflow across motor cooling fins to improve heat transfer.
- Extends motor life by reducing operating temperatures.
- Shields electric motors from debris.
- Simplifies motor maintenance and lowers downtime costs.
- Will not corrode or rust.




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