



**KEEP A GOOD THING  
MOVING**

**INDUSTRY**

Our Brands:



## **PRODUCT OVERVIEW**

**MONITORING DEVICES FOR  
CONVEYOR SYSTEMS**



**KIEPE ELECTRIC**



## About Us

Kiepe Electric GmbH is well-known as manufacturer for premium-quality products "Made in Germany" with location of development and production in Duesseldorf at the Rhine.

Our INDUSTRY program includes safety-relevant emergency stop devices, position switches and speed monitor devices, designed for the harsh environment of the bulk material industry. Since the late 1960s, more than 49,600miles (80,000km) of conveyor systems have been equipped with KIEPE™ products all over the world .

Our Brands KIEPE ELEKTRIK™ and KIEPE™ have a good reputation on the market and stand for robustness, reliability and fair services. A worldwide distribution network creates the confidence of always having a contact person nearby. Our sufficient customers know, that this means less downtime and focus on their main job to keep their good things moving.

### KIEPE™ Certificates

ISO 9001  
ISO 14001  
ISO 45001



### Current Product Certificates



## Keep A Good Thing Moving.



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## Your Industry. Our References!



**BULK MATERIAL  
PRODUCTION**



**BULK MATERIAL  
PROCESSING**



**BULK MATERIAL  
HANDLING**

### Extract of Our References:

Cement Plant in Vietnam, Malaysia, Bucharest (RO), Manila (PH) • Coal Stock in Malaysia • Producer for Bulk Handling Equipment and Open Pit Mining Equipment in Czech Republic • Railway and Tunnel Company in Beijing (CN) Steel Company in Beijing (CN) • Tunnelling Equipment Company in Guangzhou (CN) • Machinery Companies in China Conveyor System Construction Firm in Norway, Kalakhang Maynila (PH) • Tunnel Company in Norway • Minerals Industry in Norway Conveyor Technology and Logistics Company for Bulk Material in Norway, Denmark • Producer of Off-Shore Conveyor Systems in Norway • Fertilizer Production in Russia • Iron Ore Mining and Processing in Russia • Building Material Manufacturer in Taguig City (PH), Mandaluyong City (PH), San Pedro Garza García (MX), Casablanca (MA) • Gold Processing and Refining in the Philippines • Cement Production Apaxco de Ocampo (MX), Mexiko Stadt (MX), Bangkok (TH), Casablanca (MA) • Copper Mine Operator in Mexico • Electricity Generating Company Nonthaburi (TH) Phosphate Industry Casablanca (MA) • Electrical Industry Marocco • Bulk and Transshipment Companies in Rotterdam (NL) Steel Production Company in IJmuiden (NL) • Handling Company for Ore and Steel in Rotterdam (NL) Power Plants in Maasvlakte (NL) • And Much More



## Emergency Stop Switches

### Pull Rope Emergency Stop Switches

to stop conveyors at any location in emergencies in accordance to EN 620

- enclosures in aluminium, plastic or cast iron
- uni- and bidirectional installation of pull rope
- up to 2 x 125 m
- ATEX  $\text{Ex}$  II 2D – II 3 D
- enhanced temperature range to  $-40\text{ }^{\circ}\text{C}$  ( $-40\text{ }^{\circ}\text{F}$ )
- two-wire-fieldbus connection



### Components for Pull Rope Installation

required for assembling a pull rope system for Emergency Stop Switches

- pull rope of 5 mm diameter with red plastic coating
- tension springs, turnbuckles and rope clamps
- rope support eyebolts and accessories
- corrosion-resistant materials available



## Speed Monitor Devices

### Speed and Standstill Monitors and Robust Transducers

for monitoring the speed and rotation of conveyors

- sensors
- low-speed-detection, direction of rotation
- belt driven speed monitors



## Position Switches

### Belt Misalignment Switches

protect equipment by shutting down the conveyor when the belt mistracks

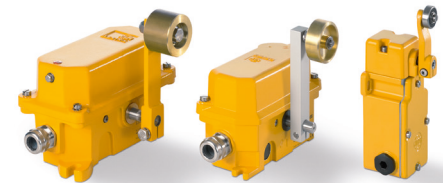
- enclosures in aluminium, plastic or cast iron
- pre-warning; switch off; latching / catch mechanism
- adjustable switching cams
- ball bearing roller levers
- ATEX  $\text{Ex}$  II 2D – II 3 D
- enhanced temperature range to  $-40\text{ }^{\circ}\text{C}$  ( $-40\text{ }^{\circ}\text{F}$ )
- two-wire-fieldbus connection



### Robust Limit Switches

for position monitoring

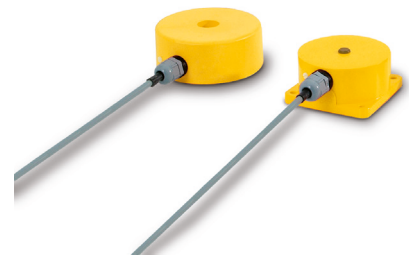
- enclosures in aluminium, plastic or cast iron
- various actuating levers, rods, trollers
- ATEX  $\text{Ex}$  II 2D – II 3 D



### Misalignment Switches for Bucket Elevators

for contact free monitoring of bucket travel

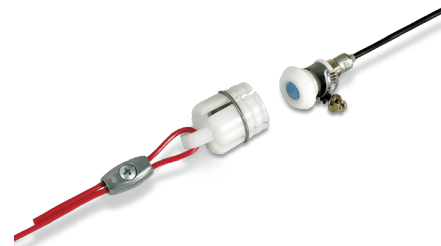
- for aluminium, mild steel and stainless steel
- switching distance up to 70 mm



### Belt Monitoring

for detection of belt breakage

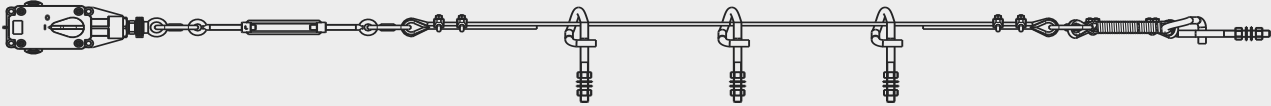
- separable switches
- installation material





## Mounting Kit Recommendation

### Mounting Kits for Single-Side Pull Rope Installation



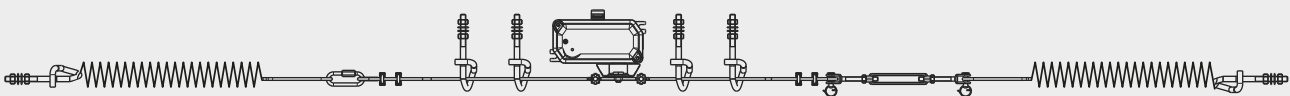
#### One Package - One Code!

Save time and money on your order.

- one ordering code for all components incl. pull rope
- up to 20 percent cost savings compared to single part orders
- packed for easy installation

### Quick Clamp System - Mounting Kits

Quick Installation!








#### Mount - Clamp - Go!

Save time and money at the mounting of your double-side pull rope installation









- 50 percent time and material savings compared to conventional installation
- Simplification of the assembly processes
- Safe adjustment of the correct spring preload with just one person
- High quality components for a long life

## Fields of Application Recommendation

 <b>Corrosive</b> Seaport and transshipment point, fertilizer production, bio recycling, salt extraction	 <b>Rock, Boulder:</b> Sugar beet, tree trunks, iron ore, scrap, coal, minerals, debris
 <b>Non-Corrosive</b> All environmental conditions without corrosive impact	 <b>Sand, Gravel:</b> Sugar, grain, pellets, briquette iron ore pellets, recycling material, coke, gravel, sand, cement
	 <b>Powder, Flour:</b> Icing sugar, flour, sawdust, fertilizer, ferric oxide, ash, mineral powder, gypsum

### RECOMMENDATION

Environmental Conditions without external protection

			 Corrosive			 Non-Corrosive		
			 Powder	 Sand	 Rock	 Powder	 Sand	 Rock
Bulk Material								
<b>Emergency Stop Switches</b>	Pull Rope Switches One-Sided	PAS	✓			✓		
		LRS	○	○		✓	✓	
	Pull Rope Switches Two-Sided	PRS	✓	✓		✓	✓	
		HEN	○	✓	○	✓	✓	○
		NTS	✓	✓	○	✓	✓	○
		SEG	○	✓	✓	✓	✓	✓
<b>Position Switches</b>	Belt Misalignment Switches	MAS	✓			✓		
		VG	○	○		✓	✓	
		MRS	✓	✓		✓	✓	
		HES	○	✓	○	✓	✓	○
		SLS	✓	✓	○	✓	✓	○
		SEL	○	✓	✓	✓	✓	✓
	Limit Switches	VG	○	○		✓	✓	
		HER	○	✓	○	✓	✓	○
		SLR	✓	✓	○	✓	✓	○
		REL	○	✓	✓	✓	✓	✓
<b>Position Switches Contactless</b>	Pulse Transducers	DG	(See Speed Monitoring)					
	Bucket Elevators	SBW	✓	✓		✓	✓	
	Belt Monitoring	BLS	○	○	○	✓	✓	✓
<b>Speed Monitoring</b>	Pulse Transducers	DG	(installation in protected areas)					
		EOG	○	○		✓	✓	
		DK	○	○		✓	✓	
	Speed Monitors	EDW	(installation in the control cabinet)					
		EDO	(installation in the control cabinet)					
	Pulse Transducers incl. Speed Monitor	SWE	○	○		✓	✓	
		SWEB	○	○		✓	✓	
	Standstill Monitor	SW	○	○		✓	✓	
		SWB	○	○		✓	✓	

\* This table is a recommendation and may differ for different applications

✓ Suitable  
○ Conditionally suitable

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