



## Encoders

Rotary Encoders Incremental/Absolute  
Linear Encoders  
Motor Feedback Systems

**SICK**  
Sensor Intelligence.



		Wire Draw Encoders					Non-Contact Linear Encoders		
		Absolut			Incremental				
		BTF	BKS	XKS	PRF	PKS	KH53	KH53 A	L230
Should an absolute position always be measured?	> Yes	■	■	■			■	■	■
	> No				■	■			
Which interface connection is required?	> TTL (5 V) pulses/ HTL (10 to 30 V) pulses				■	■			
	> HIPERFACE®			■					■
	> SSI data word	■	■	■			■	■	■
	> Bus connectivity, data word	■		■			■	■	
Are there continuous mounting points available across the measuring length?	> Yes						■	■	■
	> No	■	■	■	■	■			
How are the mounting tolerances?	> Low	■	■	■	■	■			■
	> Middle						■	■	
	> High							■	
What measuring length is required?	> Low (up to 5 m)	■	■	■	■	■	■	■	■
	> Middle (up to 40/50 m)	■			■		■	■	■
	> High (up to 548 m)						■	■	
	> Very high (up to 1,700 m)						■		
What resolution is required?	> Low (0.1 to 0.05 mm)	■	■		■	■	■	■	■
	> Middle (0.025 mm)	■			■				■
	> High (0.001 mm)			■					■
Maximum number of measuring cycles?	> Up to 800,000				■	■			
	> Up to 1,000,000	■	■	■					
	> Infinite						■	■	■
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**Linear-Encoder**

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BTF



BKS/XKS



PRF



PKS



KH53/  
KH53 Advanced



L230



Interface  
Adapter Module

Rotary Encoders	Incremental Encoders
	Absolute Encoders
Linear Encoders	Wire Draw Encoders
	Non-Contact Linear Encoders
Adapter	Interface Adapter Module
	Motor Feedback Systems
Motor Feedback Systems	Incremental Motor Feedback Systems
	Motor Feedback Systems with HIPERFACE®
	Linear Motor Feedback Systems with HIPERFACE®