ROTARY ENCODERS
WITH HIGH-LEVEL FUNCTIONAL SAFETY
As automation increases in machine and plant engineering, plant manufacturers, system integrators, and component manufacturers are faced with higher standards for functional safety. Some of the more common requirements include improvements in the functionality of conventional control systems and the capacity to meet high standards of functional safety offered by modern drive controllers. Reliable rotary encoders with a high level of functional safety have adopted a whole new meaning.

In response to these needs, Pepperl+Fuchs has developed a range of certified rotary encoders that incorporate innovative concepts to enable economical system integration. Using existing paths of communication, these functionally safe rotary encoders are easily integrated into systems with high safety categories up to SIL 3 (according to IEC 61508).

**APPLICATIONS**

- Use of existing communication paths allows simple integration
- Reliable and simple installation increases efficiency
- Certified functional safety
- Incremental/absolute rotary encoder technology
- For systems up to SIL 3 according to IEC 61508
- Performance level e according to ISO 13849
- Safety category 4 according to EN 954-1
- For electric drives according to IEC 61800-5-2

**Rotary Encoders with Functional Safety**

- Model: CVS58S (Single turn)
- Model: CVM58S (Multiturn)
- Model: RVS58S

For systems up to SIL 3 according to IEC 61508
- Performance level e according to ISO 13849
- Safety category 4 according to EN 954-1
- For electric drives according to IEC 61800-5-2

**APPLICATIONS**

- Drive technology
- Stage equipment
- Overhead rails
- Conveyor systems
- Lifting/elevator technology
- Machine/plant construction
- Automation technology
- Vehicle manufacture
- Wind power plants
- General applications: Systems that fall within the application scope of Machine Directives 98/37/EC and 2006/42/EC.
Pepperl+Fuchs sets the standard in quality and innovative technology for the world of automation. Our expertise, dedication, and heritage of innovation have driven us to develop the largest and most versatile line of industrial sensor technologies and interface components in the world. With our global presence, reliable service, and flexible production facilities, Pepperl+Fuchs delivers complete solutions for your automation requirements—wherever you need us.