Press Release

**Regal Components Introduce the Revolutionary SenseAI RSL 51, an Intelligent Cylinder Sensor where Innovative Design Meets Advanced AI Technology**

**Regal Components is proud to reveal the latest advancement in sensor technology: the SenseAI RSL51 cylinder sensor. As the newest addition to the valued Regasense® family, the SenseAI RSL51 stands out with its non-contact, built-in design, perfect for integration into cylinders with smaller diameters. This design philosophy applies across the entire Regasense® compact sensor range, highlighting long lifetime and safety.**

*Welcome to the future, where precision is not just a measurement; it is intelligent adaptation. Regal Components is revolutionizing cylinder sensing with the new SenseAI platform and the RSL51's ability to manage various magnetic variations. Thanks to advanced technology, giving the SenseAI RSL51 its robustness, rapid response, and flexibility. Its non-contact compact design features fewer components, saving resources and ensuring high reliability.   
Experience the next level of precision — a step toward perfection.*

Developed with an innovative machine-learning algorithm for improved magnet detection accuracy, the SenseAI RSL51 represents the most innovated sensor within Regal Components’ portfolio. Its patented design maximizes the distance between integrated sensor elements, minimizes component usage and increases resource efficiency – all while reducing the risk of errors.

The SenseAI RSL51 holds advanced embedded software capable of identifying and alerting to any deviations outside the expected sensor data range. This non-contact sensor seamlessly integrates all necessary electronics, eliminating the need for any additional or external electronic devices.

Incorporating proven standard components, the SenseAI RSL51 ensures reliable availability and compatibility with future developments. Mechanical backward compatibility with Regal Components’ previous series, is a verification to its flexible design.

Thanks to its AI-enhanced design based on Hall effect technology, the SenseAI RSL51 offers robustness, high reliability, rapid response times, and adaptability to various applications within Marine, agriculture, forestry, and construction equipment.

The sensor has been developed with over 30 years of collective experience in cylinder sensor design. SenseAI RSL 51 is internationally patented and manufactured in Sweden and is not only a product of superior engineering but also a symbol of Swedish innovation.

SenseAI, our newest brand, represents a platform that integrates products imbued with advanced AI technology. The RSL51 cylinder sensor is a shining example of this fusion of AI and practical design.

**Main Features**

* Non-contact technology
* AI-embedded software
* Compact design
* Easy to install
* Made in Sweden

For more information about the SenseAI RSL51 cylinder sensor and other Regasense® products, please visit our website and contact us.

Read the product news on our website: www.regal.se

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***Regal Components*** *strives for simplicity with smarter technical solutions in the areas of sensor solutions and e-mobility. You rarely see our products; our technology is embedded in machines and vehicles. Our solutions are used in applications that face demanding challenges daily and for many years, such as outdoor environments during all seasons, withstanding vibrations, shocks, moisture, and temperature changes. It is critical that our products are safe, effective, user-friendly, and profitable for all parties. A challenge we gladly embrace.* [*www.regal.se*](http://www.regal.se)

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