# Reliable switching guaranteed by experience

STR1 transponder safety switch from SICK

Waldkirch, November 2016 – With its STR1 transponder safety switch together with the safety controllers, SICK provides a perfectly matched system for applications that require a high degree of tamper-proofing. Machine manufacturers can now dispense with the need for additional mounting steps such as concealed mounting, mounting outside the scanning range, or an additional interlocking device for plausibility checking purposes.

The STR1’s high degree of temper-proofing is guaranteed thanks to the available coding types (universal, unique, and permanent). It has monitored semiconductor outputs (OSSDs), can be safely connected either individually or in series, and fulfills Performance Level PL e (EN ISO 13849). It features a compact VISTAL housing that ensures outstanding mechanical stability. Excellent electromagnetic compatibility (EMC) provides the safety switch with additional ruggedness as well as enabling a high level of machine availability to be maintained. Three actuators in different sizes, three active sensor surfaces, and various actuator configurations open up almost unlimited mounting possibilities and make the STR1 very flexible and easy to integrate as a result.

As one sensor is suitable for a wide range of different applications, the user benefits from a reduced need for storage. The LED status display makes quick diagnostics possible and, thanks to the series connection of up to 30 sensors, the STR1 is an exceptionally economical solution.

Image:STR1\_IM0062337.jpg   
The STR1 transponder safety switch from SICK offers a high degree of tamper-proofing.

SICK is one of the world’s leading producers of sensors and sensor solutions for industrial applications. Founded in 1946 by Dr.-Ing. e. h. Erwin Sick, the company with headquarters in Waldkirch im Breisgau near Freiburg ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a presence around the globe. In the fiscal year 2015, SICK had more than 7,400 employees worldwide and achieved Group sales of just under EUR 1.3 billion.  
More information about SICK is available on the Internet at http://www.sick.com or by phone on +49 (0) 7681 202-4183.