

# *Press Release*

## **Functional safety in signal systems**

(06/19) With type 200S signal lights, Phoenix Contact offers high levels of security for applications in maritime signal systems, e.g. at locks or movable bridges. An integrated and autonomous monitoring function guarantees the safe diagnostics of LED lights in accordance with safety standard IEC 61508.

LED technology lighting offers advantages when it comes to saving energy and the durability of the signal system. However, the safety-related monitoring of the LEDs had so far not been resolved. With the help of 200S signal lights, the advantages of the LED technology can be combined with adherence to existing safety standards up to SIL 2 or performance level D. The communication interface provides a large amount of diagnostic and status information on the light. The system is placed in a safe state if the functionality of the light is not guaranteed. The robust aluminum housing with IP65 degree of protection ensures that the light is particularly suitable for harsh outdoor use on waterways.

Tailored to the light, Phoenix Contact offers a comprehensive portfolio of solutions to guarantee the functional safety of the entire signal system. Control units, control cabinets, and pre-assembled cabling for the simple and fast commissioning of signal systems without any additional programming work being required, are specifically available for signal systems.

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