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Safety parameters for the safety-related functions in system Tiger

With respect to IEC 13849-1, clause 10, the following information is given to describe the safety-related functions of the radio controlled system Tiger:

The Tiger system holds one safety-related stop function and one hold-to-run safe function for use in applications for machinery. Each safety-related function is only part of an SRP/CS (safety-related part of a control system), it is not a complete SRP/CS until it is used as components in a customer system on a higher level.

The stop function is activated by the stop button. The dedicated stop relays shall release when the stop button is pressed. The hold-to-run safe function is activated by the dedicated safe buttons. The dedicated safe function relays shall release when any one or both of the safe buttons are released.

The Tiger system is originally designed and developed according to IEC 61508. The safety parameters given in this document are derived from the FMEDA made according to IEC 61508 and thereafter converted according to IEC 13849-1, clause 4.5.

The safety parameters given in this document are valid for a Tiger system consisting of one receiver unit and one transmitter unit.

Safety parameters for stop function

Performance level:	PL = e
Category:	CAT = 3
Diagnostic coverage:	DCavg = 97% (Medium)

Safety parameters for hold-to-run safe function

Performance level:	PL = e
Category:	CAT = 3
Diagnostic coverage:	DCavg = 97% (Medium)



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