

DECLARATION OF CONFORMITY MANUFACTURER DECLARATION



As manufacturer

PR electronics A/S
Lerbakken 10
DK-8410 Rønde

hereby declares that the following product:

Type: 9202
Product Version: All Versions

is suitable for the use in systems up to Performance Level “d” according to ISO-13849, if the appropriate instructions are observed.

The reliability data summarized in the following table are the result of a hardware assessment according to IEC-61508 carried out on the 9202. The hardware assessment consists of an FMEDA done by Exida (report FMEDA PR 9202-002 V2R0.pdf), updated with calculations of reliability data according to ISO-13849.

	Description:	PFHd: [1/h]	Resulting PL:	MTTFd: [years]
Opto	Any Input, Opto Output	1.72E-07	d	664
Relay	Any Input, Relay Output	1.77E-07	d	645
A-Version	Any Input, any Output	1.47E-07	D	776

The calculated values are valid only within the useful lifetime.

For the Opto Outputs, the useful lifetime is 20 years.

For the Relay Outputs, the useful lifetime is the shortest of 20 years and the time when the maximum limit of 100,000 switching cycles of the relay are exceeded.

Roende, 30 March 2020

Stig Lindemann, CTO
Manufacturer's signature