

DECLARATION OF CONFORMITY MANUFACTURER DECLARATION



As manufacturer

PR electronics A/S
Lerbakken 10
DK-8410 Rønde

hereby declares that the following product:

Type: 9106
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 9106. The hardware assessment consists of an FMEDA done by Exida (report FMEDA PR 9106 V2R1.pdf), updated with calculations of reliability data according to ISO-13849.

	Description:	PFHd: [1/h]	Resulting PL:	MTTFd: [years]
Ain, Ao, Dual	Active Input, Active Output, Dual Channel	3.94E-07	d	289
Ain, Po, Dual	Active Input, Passive Output, Dual channel	3.95E-07	d	289
Ain, Ao, Single	Active Input, Active Output, Single Channel	2.15E-07	d	531
Ain, Po, Single	Active Input, Passive Output, Single channel	2.15E-07	d	530
Pin, Ao, Dual	Passive Input, Active Output, Dual Channel	3.80E-07	d	300
Pin, Po, Dual	Passive Input, Passive Output, Dual channel	3.79E-07	d	301
Pin, Ao, Single	Passive Input, Active Output, Single Channel	1.87E-07	d	612
Pin, Po, Single	Passive Input, Passive Output, Single channel	2.01E-07	d	567

The calculated values are valid only within the useful lifetime.

For all the outputs, the useful lifetime is 20 years.

Roende, 30 March 2020



 Stig Lindemann, CTO
 Manufacturer's signature