

DECLARATION OF CONFORMITY MANUFACTURER DECLARATION



As manufacturer

PR electronics A/S
Lerbakken 10
DK-8410 Rønde

hereby declares that the following product:

Type: 4114/4116
From serial no.: 060094001

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 4114/4116. The hardware assessment consists of an FMEDA done by Exida (report PR4116 V2R3), updated with calculations of reliability data according to ISO-13849.


	Description:	PFHd: [1/h]	Resulting PL:	MTTFd: [years]
4114/4116	Any Input, Current Output	9,33E-07	d	122
4116	Any Input, Relay Output	6,49E-07	d	175

The calculated values are valid only within the useful lifetime.

For the Current 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, 28 January 2020



Stig Lindemann, CTO
Manufacturer's signature