

DECLARATION OF CONFORMITY MANUFACTURER DECLARATION

As manufacturer

PR electronics A/S
Lerbakken 10
DK-8410 Rønde

hereby declares that the following product:

Type: 4184
From serial no.: 181752500

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 4184. The hardware assessment consists of an FMEDA done by Exida (report PR 4184 V1R1.pdf), updated with calculations of reliability data according to ISO-13849.

Operating Mode:	Description:	PFHd: [1/h]	Resulting PL:	MTTFd: [years]
Current, Aout	Current Input, Current Output	5.13E-07	d	223
Low Voltage, Aout	Low Voltage Input, Current Output	5.11E-07	d	223
High Voltage, Aout	High Voltage Input, Current Output	5.02E-07	d	227

The calculated values are valid only within the useful lifetime.

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

Roende, 9 October 2019



Stig Lindemann, CTO
Manufacturer's signature