

DECLARATION OF CONFORMITY MANUFACTURER DECLARATION

As manufacturer

PR electronics A/S
Lerbakken 10
DK-8410 Rønde

hereby declares that the following products:

Type: 4225A/4225B/4225C
From serial no.: All

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 4225 variants. The hardware assessment consists of an FMEDA done by Exida (Report No. PR 21/09-052 V1R0), updated with calculations of reliability data according to ISO-13849.

Product:	Description:	PFHd: [1/h]	Resulting PL:	MTTFd: [years]
4225A, 4225C	Any Input, Current Output	6.76E-7	d	169
4225A, 4225B	Any Input, Relay Output	4.76E-7	d	240
4225C	Any Input, Frequency Output	6.90E-7	d	166
	Any Input, Relay PNP Output	5.00E-7	d	228

The calculated values are valid only within the useful lifetime.

For the Current and PNP Outputs, the useful lifetime is 10 years.

For the Relay Output, the useful lifetime is the shortest of 10 years and the time when the maximum limit of 100,000 switching cycles of the relay is exceeded.

Rønde, 12 June 2023



Torben Rønnow, R&D Manager
Manufacturer's signature