

SIL Declaration of Conformity

MANUFACTURER DECLARATION

Product: **Type:** Pulse Isolator
 Name: PRecon 5202B1/B2/B4

Manufactured by: **PR electronics A/S**
 Lerbakken 10
 DK-8410 Rønde
 Denmark

PR electronics as a manufacturer declares that the PRecon 5202B is suitable for use in a safety-instrumented system up to a Safety Integrity Level of **SIL 2**¹ if the appropriate safety instructions are observed.

The reliability data summarized in the following table are the results of a hardware assessment according to IEC61508 carried out on the Pulse Isolators PRecon 5202B. The hardware assessment consists of an FMEDA done by Exida.

The PRecon 5202B Pulse Isolators are considered to be a Type A component with a hardware fault tolerance (HFT) of 0.

	PFH 1/h	PFDavg Tproof = 1 year	PFDavg Tproof = 5 years	SFF
5202B1	3.58E-08	1.57E-04	7.84E-04	95.95%
5202B2	3.22E-08	1.41E-04	7.05E-04	96.24%
5202B4	4.33E-08	1.90E-04	9.48E-04	95.07%

¹ For Tproof = 5 year



Rønde, 06 February 2006

Peter Rasmussen
Managing Director