



# Annex I



No. 0P200821.FTICS76

Technical Construction File no. TCF-2020081801-SIL

1. The use of the product [Digital differential pressure switch / transmitter] must obey the required rules to conservation of SIL3 properties. These rules are recalled in the §6 of the Assessment Report reference: [SIL Capability assessment report]

2. The product version of hardware components used for validation and type tests are the following:

Component	Model
Digital differential pressure switch / transmitter	PB5702 series

3. Assessed documents for the present certification are defined in the Assessment Report [SIL Capability assessment report].

4. Acceptable environmental constraints for the system are recalled in the safety Manual (Ref: [TCF-2020081801-SU1]). These elements must be checked for each integration operation of the product.

5. The SIL 3 capable certified Safety Function of product is the following:

- SF1: To Close on demand.
- SF2: To Open on demand.

6. Hypothesis used for calculations are presented here under: The mode of operation is Low demand, which means less than 1 trip demand each year:

Component architecture	Safety function	Test intervals	MTTR	Failure rate	Undetected dangerous failure rate	PFD	SIL Capability
Loo1 configuration	SF1	1 year	24h	1.93E-06	1.93E-06	8.45E-03	SIL2
Loo1 configuration	SF2	1 year	24h	3.75E-07	1.28E-07	5.67E-04	SIL3

7. The Safety Integrated Level of the safety function using the product [Digital differential pressure switch / transmitter] shall be calculated taking into account the characteristics of the complete system supporting the safety function.