

IEC 61508 CONFORMITY CERTIFICATE.

MECÁNICA PRISMA, SL Certifies that the following Pneumatic Actuators Systems have PFD or PFH suitable to Use In a SIL Safety Loops:

Component	Failure Rate	Dangerous Failure Rate	PFD	PFH	Capable SIL (PFD)	Capable SIL (PFH)
PI00	2,10E-07	2,10E-07	9,21E-04	9,21E-04	SIL3	SIL3
PI10	1,47E-07	1,47E-07	6,45E-04	6,45E-04	SIL3	SIL3
PI20	4,28E-07	4,28E-07	1,88E-03	1,88E-03	SIL2	SIL2
PI30	6,96E-07	6,96E-07	3,05E-03	3,05E-03	SIL2	SIL2
PI00 S	6,64E-08	6,64E-08	2,91E-04	2,91E-04	SIL3	SIL3
PI10 S	5,62E-08	5,62E-08	2,47E-04	2,47E-04	SIL3	SIL3
PI20 S	8,44E-07	8,44E-07	3,70E-04	3,70E-04	SIL3	SIL3
PI30 S	1,60E-07	1,60E-07	7,02E-04	7,02E-04	SIL3	SIL3

Remark:

The Actuators included in this Certificate are according to the following classification:

HTF 0, Type A, Low Demand Operation Mode, SFF is limited to the HTF.

The capable assessment results carried out by CFSE (Ref. XA/AS//MPSL/20140102/V00/R00) are based on the Field Experience & FMEA Design obtained from MECANICA PRISMA, SL.

X. Albareda / Technical Manager. 2014/02/01
 Original Declaration Date: 2006/01/30

ISO-TS-29001, API Q1., Pneumatic Actuators According to PED Directive 97-23-EC, ATEX Directive 94-9-EC, Type Approval (Type Approved Product) SIL (IEC-61508), Cryogenic Services & Gost R Certification.

