

C E R T I F I C A T E

This certifies that the company

KSB MIL Controls Limited
Meladoor, Annamanada, Thrissur District,
Kerala – 680741
India

Is authorized to provide the product mentioned below

Description of product: **Actuators**

Models:

37, 38 Series – Pneumatic Spring Diaphragm Actuators
67, 68 Series – Double Acting Piston Cylinder Actuators
57, 58 Series – Spring return piston cylinder actuator
27, 28 Series – Compact Pneumatic Spring Diaphragm Actuators

In accordance with: **IEC/EN 61508:2010 Parts 1, 2, 4**

Registration No 22 23622 02
Test Report No PS-28396-26-M-02
File reference 28396-01



TÜV Nord Italia S.r.l (TÜV NORD Group)
Via Turati, 70 – 20023 Cerro Maggiore (MI) – Italy



www.tuev-nord.it

Validity
from 2026-07-27
until 2029-07-27

Cerro Maggiore, 2026-07-27
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. Correct switching (Open to Close / Close to open) on demand, in low demand mode of operation
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
MIL 37, MIL 38 - No PST	1	3,99E-07	0,00E+00	1,29E-07
MIL 37, MIL 38 - With PST	1	1,51E-07	2,48E-07	1,29E-07
MIL 67, MIL 68 - No PST	1	5,61E-07	0,00E+00	2,47E-08
MIL 67, MIL 68 - With PST	1	1,89E-07	3,26E-07	2,47E-08
MIL 27, MIL 28 - No PST	1	4,25E-08	0,00E+00	1,37E-08
MIL 27, MIL 28 - With PST	1	1,61E-08	2,64E-08	1,37E-08
MIL 57, MIL 58 - No PST	1	8,97E-07	0,00E+00	3,95E-08
MIL 57, MIL 58 - With PST	1	3,02E-07	5,21E-07	3,95E-08

Systematic capability	3 (Route 2 _s applied)			
Architectural constraints	Route 1 _H :	Not Applied	Route 2 _H :	Applied
	The product can be used in: - single channel configuration: up to SIL 2 - double channel configuration: up to SIL 3			
Remarks:	For further details, including environmental conditions, limitations of use, lifetime, failure rates traceability, mean repair times, common cause factors and systematic capability constraints, make reference to Safety Manual SM/Linear Valves and Actuators/2025 (rev. 01, 10.05.2026)			

