

CERTIFICATE

This certifies that the company

Sitecna S.r.I. a socio unico Via Giuseppe Di Vittorio 22 20068 Peschiera Borromeo (MI) Italy

Is authorized to provide the product mentioned below

Description of product: Volume booster series VB

In accordance with:

EN 61508:2010 Parts 1, 2, 4, 5, 6, 7

Registration No 22 23238 03 Test Report No PS-23238-22-L-03 File reference 23238-03

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

www.tuev-nord.it

from 2022-12-09 until 2025-12-09

Validity

Cerro Maggiore, 2022-12-09 prodotto@tuev-nord.it

Please also pay attention to the information stated overleaf



ANNEX

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To Certificate-Nr. 22 23238 03

Туре	A
HFT	0
Safety functions	 De-energize-to-trip operation: to discharge a chamber of a single acting or double acting actuator Energize-to-trip operation: to charge a chamber of a double acting actuator
Mode of operation	Low Demand Mode

Random failure rates							
Configuration	Safety function	λ _{ου} [1/h]	λ _{DD} [1/h]	λ _s [1/h]			
Series VB - No PST	1	2,45E-08	0,00E+00	1,13E-07			
Series VB - With PST	1	2,45E-10	2,43E-08	1,13E-07			
Series VB - No PST	2	9,31E-08	0,00E+00	0,00E+00			
Series VB - With PST	2	9,31E-10	9,22E-08	0,00E+00			

Systematic capability	3 (Route 1 _s applied)					
	Route 1 _н :	Applied	Route 2 _H :	Applied		
Architectural constraints	 The product can be used in: single channel configuration: up to SIL 2 without external diagnostic tests up to SIL 3 considering external diagnostic tests 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 STC-SM-VB



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