

CERTIFICATE

This certifies that the company

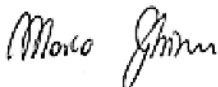
Sitecna S.r.l. a socio unico
Via Giuseppe Di Vittorio 22
20068 Peschiera Borromeo (MI)
Italy

Is authorized to provide the product mentioned below

Description of product: **Filter regulator series FR**
Regulator series R

In accordance with: **EN 61508:2010 Parts 1, 2, 4, 5, 6, 7**

Registration No 22 23238 04
Test Report No PS-23238-22-L-04
File reference 23238-04



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



www.tuev-nord.it

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

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

Please also pay attention to the information stated overleaf

TNI-QF(IND-SIL-01)-14-Rev00_01_03_2020-Certificate_Type A

ANNEX

Annex 1, Page 2 of 2

To Certificate-Nr. 22 23238 04

Type	A
HFT	0
Safety functions	1. Correct flow and pressure to pressurize the chamber of the actuator
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
Series FR - No PST	1	4,30E-09	0,00E+00	0,00E+00
Series FR - With PST	1	4,30E-11	4,25E-09	0,00E+00
Series R - No PST	1	4,29E-09	0,00E+00	0,00E+00
Series R - With PST	1	4,29E-11	4,25E-09	0,00E+00

Systematic capability	3 (Route 1 _s applied)			
Architectural constraints	Route 1 _H :	Applied	Route 2 _H :	Applied
	The product can be used in single channel configuration: <ul style="list-style-type: none"> up to SIL 2 without external diagnostic tests up to SIL 3 considering external diagnostic tests, according to what written in the Safety Manual NOTE: Pneumatic pressure monitoring is requested by par. 11.2.11 of IEC 61511-1 for subsystems which do not fail to the safe state in case of loss of utility (pneumatic supply in this case)			

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-FR

