

C E R T I F I C A T E

This certifies that the company

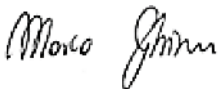
Sitecna S.r.l. a socio unico
Via Giuseppe Di Vittorio 22
20068 Peschiera Borromeo (MI)
Italy

Is authorized to provide the product mentioned below

Description of product: **Quick exhaust valve series VSR**

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

Registration No 22 23238 01
Test Report No PS-23238-22-L-01
File reference 23238-01



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 01

| | |
|-------------------|--|
| Type | A |
| HFT | 0 |
| Safety functions | 1. De-energize-to-trip operation: to discharge a chamber of a pneumatic 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 VSR - No PST | 1 | 3,76E-09 | 0,00E+00 | 4,00E-08 |
| Series VSR - With PST | 1 | 3,76E-11 | 3,72E-09 | 4,00E-08 |

| | | | | |
|--|----------------------------------|---------|------------------------|---------|
| 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 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-VSR

