

C E R T I F I C A T E

This certifies that the company

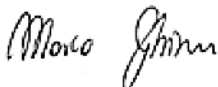
Sitecna S.r.l. a socio unico
Via Giuseppe Di Vittorio 22
20068 Peschiera Borromeo (MI)
Italy

Is authorized to provide the product mentioned below

Description of product: **Switching valve series S3**

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

Registration No 22 23238 02
Test Report No PS-23238-22-L-02
File reference 23238-02

A handwritten signature in blue ink, appearing to read "Marco Gmmer".

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



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

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

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Please also pay attention to the information stated overleaf

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

ANNEX

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To Certificate-Nr. 22 23238 02

Type	A
HFT	0
Safety functions	1. De-energize-to-trip 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]
Series S3 - No PST	1	1,13E-08	0,00E+00	1,03E-07
Series S3 - With PST	1	1,13E-10	1,12E-08	1,03E-07

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-SW

