

C E R T I F I C A T E

This certifies that the company

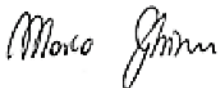
Sitecna S.r.l. a socio unico
Via Giuseppe Di Vittorio 22
20068 Peschiera Borromeo (MI)
Italy

Is authorized to provide the product mentioned below

Description of product: **3/2 and 5/2 spool valve series DP, DPP**

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

Registration No 22 23238 05
Test Report No PS-23238-22-L-05
File reference 23238-05



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 05

Type	A
HFT	0
Safety functions	1. De-energize-to-trip operation 2. 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]
3/2, 5/2 pneumatic/spring spool valve - No PST	1	1,30E-08	0,00E+00	1,24E-07
3/2, 5/2 pneumatic/spring spool valve - With PST	1	1,30E-10	1,29E-08	1,24E-07
3/2, 5/2 double pneumatic spool valve - No PST	2	3,71E-08	0,00E+00	0,00E+00
3/2, 5/2 double pneumatic spool valve - With PST	2	3,71E-10	3,67E-08	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: - Safety Function 1 (DETT): up to SIL 3 - Safety Function 2 (ETT): - 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-DP

