

# 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: **3/2 and 5/2 spool valve series DP, DPP**

In accordance with: **EN 61508:2010 Parts 1, 2, 4, 5, 6, 7**  
**The product meets also the requirements of standard EN 17955:2024**

Registration No 22 23238 05  
Test Report No PS-28030-25-M-05  
File reference 28030-05



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



[www.tuev-nord.it](http://www.tuev-nord.it)

Validity  
from 2025-12-22  
until 2028-12-22

Cerro Maggiore, 2025-12-22  
[prodotto@tuev-nord.it](mailto:prodotto@tuev-nord.it)

<b>Type</b>	A
<b>HFT</b>	0
<b>Safety functions</b>	<ol style="list-style-type: none"> <li>1. De-energize-to-trip operation</li> <li>2. Energize-to-trip operation</li> </ol>
<b>Mode of operation</b>	Low Demand Mode

Random failure rates				
Configuration	Safety function	$\lambda_{DU}$ [1/h]	$\lambda_{DD}$ [1/h]	$\lambda_S$ [1/h]
3/2, 5/2 pneumatic/spring spool valve - No PST	1	2,36E-08	0,00E+00	1,02E-07
3/2, 5/2 pneumatic/spring spool valve - With PST	1	2,36E-10	2,33E-08	1,02E-07
3/2, 5/2 double pneumatic spool valve - No PST	2	3,67E-08	0,00E+00	0,00E+00
3/2, 5/2 double pneumatic spool valve - With PST	2	3,67E-10	3,64E-08	0,00E+00

<b>Systematic capability</b>	3 (Route 1 <sub>s</sub> applied)			
<b>Architectural constraints</b>	<b>Route 1<sub>H</sub>:</b>	Applied	<b>Route 2<sub>H</sub>:</b>	Applied
	The product can be used in: <ul style="list-style-type: none"> <li>• single channel configuration:               <ul style="list-style-type: none"> <li>○ up to SIL 2 without external diagnostic tests</li> <li>○ up to SIL 3 considering external diagnostic tests</li> </ul> </li> <li>• double channel configuration: up to SIL 3</li> </ul>			
<b>Remarks:</b>	<ul style="list-style-type: none"> <li>• 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</li> </ul>			