

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 poppet valve series EP**

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

Registration No 24 23374 01
Test Report No PS-23374-24-M
File reference 23374-01



TÜV Nord Italia S.r.l (TÜV NORD Group)
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Validity
from 2024-03-28
until 2027-03-27

Cerro Maggiore, 2024-03-28
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. De-energize-to-trip operation: to discharge a chamber of a single acting or double acting actuator 2. Energize-to-trip operation: to charge a chamber of a double acting 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 EP - No PST	1	3,04E-08	0,00E+00	5,01E-08
Series EP - With PST	1	3,04E-10	3,01E-08	5,01E-08
Series EP - No PST	2	5,11E-08	0,00E+00	0,00E+00
Series EP - With PST	2	5,11E-10	5,06E-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: - 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-EP			

