

CERTIFICATE

This certifies, that the company

Starline S.p.A.

Via dei Livelli di Sopra, 11
24060 Costa di Mezzate (BG)
Italy

Is authorized to provide the product mentioned below

Description of product: **2-ways floating side entry ball valve series T110, T210, 110, 210, 120, 220, 130, 230, 140, 240, 150, 250, 160, 170, 270**

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



Registration No 21 21753 02
Test Report No PS-26127-24-M-02
File reference 26127-02

Validity
from 2024-12-12
until 2027-12-11



TÜV Nord Italia S.r.l (TÜV NORD Group)
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Cerro Maggiore, 2024-12-12
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. Close / Open upon the demand of the actuation system 2. Close upon the demand of the actuation system, with inline tightness when in closed position
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
2-ways floating - No PST	1	9,07E-09	0,00E+00	0,00E+00
2-ways floating - With PST	1	8,16E-10	8,25E-09	0,00E+00
2-ways floating - No PST	2	1,19E-08	0,00E+00	0,00E+00
2-ways floating - With PST	2	3,62E-09	8,25E-09	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: <ul style="list-style-type: none"> • single channel configuration: <ul style="list-style-type: none"> ○ up to SIL 2 without external diagnostic tests ○ up to SIL 3 considering external diagnostic tests (only for Safety Function 1) • double channel configuration: up to SIL 3 			
Remarks:	<ul style="list-style-type: none"> • 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 ST-SM-SIL-F 			