



Certificate no. TAI-FS-C-24-0019

WE HEREBY CERTIFY THAT

Product description PNEUMATIC QUICK EXHAUST VALVE

Models SERIES 2P283KWXYZ (standard), 2P287KWXYZ (with by-pass), 2P288KWXYZ (with double diaphragm), 2P284KWXYZ (with piston obturator)

Manufacturer BIFFI ITALIA S.r.l.
Strada Biffi 165
I-29017 Fiorenzuola d'Arda (PC)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS

IEC 61508 Parts 1–7:2010

AS RESULT OF THE ASSESSMENT ACCORDING TO THE PROVISION SET OUT IN THE ABOVE-MENTIONED STANDARDS

Summary Report no. TAI-FS-R-24-0038

Expiry date 07.03.2027

Issue date 08.03.2024

TUV AUSTRIA ITALIA
08.03.2024, Monte Roberto (AN)

Ing. Crescenzo Di Fratta

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Società a socio unico, soggetta a controllo e coordinamento di:
TÜV AUSTRIA HOLDING AG Deutschstrasse 10, A-1230, Vienna, Austria
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Annex to certificate no. TAI-FS-C-24-0019

Type	A
HFT	0
Safety functions	1. De-energize-to-trip operation: to discharge a chamber of a pneumatic 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]
2P283KWXYZ, 2P287KWXYZ, 2P288KWXYZ - No PST	1	3,80E-09	0,00E+00	9,65E-08
2P283KWXYZ, 2P287KWXYZ, 2P288KWXYZ - With PST	1	3,80E-11	3,76E-09	9,65E-08
2P284KWXYZ - No PST	1	1,00E-09	0,00E+00	1,36E-08
2P284KWXYZ - With PST	1	1,00E-11	9,90E-10	1,36E-08


Systematic capability	3 (Route 1s 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 SM 006

END OF CERTIFICATE

TUV AUSTRIA ITALIA
08.03.2024, Monte Roberto (AN)


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