



Certificate no. TAI-FS-C-23-0068

WE HEREBY CERTIFY THAT

Product description PNEUMATIC QUICK EXHAUST VALVE

Models SERIES QEXV

Manufacturer ROTORK FLUID SYSTEMS S.r.l.
Via Padre Jacques Hamel 138/B
I-55016 Porcari (LU)

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-23-0134

Expiry date 21.12.2026

Issue date 22.12.2023

TUV AUSTRIA ITALIA
22.12.2023, Monte Roberto (AN)

Ing. Crescenzo Di Fratta

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TÜV AUSTRIA HOLDING AG Deutschstrasse 10, A-1230, Vienna, Austria
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Annex to certificate no. TAI-FS-C-23-0068

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]
Series QEXV size ½", 1" - No PST	1	1,03E-08	0,00E+00	1,98E-07
Series QEXV size ½", 1" - With PST	1	1,03E-10	1,02E-08	1,98E-07
Series QEXV size 2" - No PST	1	1,62E-08	0,00E+00	2,28E-07
Series QEXV size 2" - With PST	1	1,62E-10	1,61E-08	2,28E-07

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-QEV-A-00-E

END OF CERTIFICATE

TUV AUSTRIA ITALIA
22.12.2023, Monte Roberto (AN)


 Ing. Crescenzo Di Fratta

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