



**Certificate no. TAI-FS-C-24-0044**

WE HEREBY CERTIFY THAT

**Product description** **GAS OVER OIL QUARTER-TURN DOUBLE ACTING ACTUATOR**

**Models** **SERIES GO/D**

**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-24-0087**

**Expiry date** **26.05.2027**

**Issue date** **27.05.2024**

TUV AUSTRIA ITALIA  
27.05.2024, Monte Roberto (AN)

  
Ing. Crescenzo Di Fratta

**TUV AUSTRIA ITALIA S.p.A.**  
Via del Commercio, 6/A 60030 Monte Roberto (AN)  
+39 0731 22781 - info@tuvaustriaitalia.com - tuvaustriaitalia@pec.it  
C.F./P. IVA IT01055750333 - Cap. Soc. i.v. € 400.000,00 - REA AN n. 211030  
Società a socio unico, soggetta a controllo e coordinamento di:  
TÜV AUSTRIA HOLDING AG Deutschstrasse 10, A-1230, Vienna, Austria  
www.tuvaustriaitalia.com

## Annex to certificate no. TAI-FS-C-24-0044

<b>Type</b>	A
<b>HFT</b>	0
<b>Safety functions</b>	1. Delivery of a full stroke (90° ± tolerance) driven by the piston of cylinder, powered by the specified medium working pressure
<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]
Series GO/D - No PST	1	1,81E-08	0,00E+00	0,00E+00
Series GO/D - With PST	1	1,63E-09	1,64E-08	0,00E+00

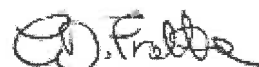
<b>Systematic capability</b>	3 (Route 1s applied)			
<b>Architectural constraints</b>	<b>Route 1H:</b>	Applied	<b>Route 2H:</b>	Applied
	The product can be used in: <ul style="list-style-type: none"> <li>• single channel configuration:                             <ul style="list-style-type: none"> <li>○ 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>			

**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-GO-A-00-E

END OF CERTIFICATE

TUV AUSTRIA ITALIA  
27.05.2024, Monte Roberto (AN)



Ing. Crescenzo Di Fratta

**TUV AUSTRIA ITALIA S.p.A.**

Via del Commercio, 6/A 60030 Monte Roberto (AN)  
 +39 0731 22781 - info@tuvaustraiitalia.com - tuvaustraiitalia@pec.it  
 C.F./P. IVA IT01055750333 - Cap. Soc. i.v. € 400.000,00 - REA AN n. 211030  
 Società a socio unico, soggetta a controllo e coordinamento di:  
 TÜV AUSTRIA HOLDING AG Deutschstrasse 10, A-1230, Vienna, Austria  
 www.tuvaustraiitalia.com