

C E R T I F I C A T E

This certifies, that the company

Omal S.p.A.
Via Ponte Nuovo 11
25050 Rodengo Saiano (BS)
Italy

Is authorized to provide the product mentioned below

Description of product: **Pneumatic rack and pinion spring return and double acting actuator series Rackon**

In accordance with: **EN 61508:2010 Parts 1, 2, 4, 5, 6, 7**
The product meets also the requirements of standard EN 17955:2024



Registration No 20 20256 02
Test Report No PS-28648-26-M-02
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Validity
from 2026-07-24
until 2029-07-24

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Cerro Maggiore, 2026-07-24
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Type	A
HFT	0
Safety functions	<u>Spring return actuators:</u> 1. Delivery of a full stroke ($90^\circ \pm$ tolerance) driven by the spring, with power fluid exhausted from the cylinder through the control system <u>Double acting actuators:</u> 1. Delivery of a full stroke ($90^\circ \pm$ tolerance) driven by the piston of cylinder, powered by the specified medium working pressure
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 Rackon SR - No PST	1	9,00E-08	0,00E+00	0,00E+00
Series Rackon SR - With PST	1	8,10E-09	8,19E-08	0,00E+00
Series Rackon DA - No PST	1	1,30E-07	0,00E+00	0,00E+00
Series Rackon DA - With PST	1	1,17E-08	1,18E-07	0,00E+00

Systematic capability	3 (Route 1s applied)			
Architectural constraints	Route 1H:	Applied	Table 4 of EN 17955:	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 SM20202001 Rev. 1.2			

