

CERTIFICATE

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

Registration No 20 20256 02 Test Report No PS-23789-23-M-02 File reference 23789-02

TÜV NORD Italia S.r.l. (TÜV NORD Group) Via Turati, 70 20023 Cerro Maggiore (MI

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Validity from 2023-05-29 until 2026-05-29

Cerro Maggiore, 2023-06-05 prodotto@tuev-nord.it



ANNEX

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Туре	A
HFT	0
Safety functions	Spring return actuators: 1. Delivery of a full stroke (90° ± tolerance) driven by the spring, with power fluid exhausted from the cylinder through the control system Double acting actuators: 2. Delivery of a full stroke (90° ± 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]		
Rackon SR - No PST	1	8,33E-08	0,00E+00	0,00E+00		
Rackon SR - With PST	1	7,50E-09	7,58E-08	0,00E+00		
Rackon DA - No PST	1	2,17E-07	0,00E+00	0,00E+00		
Rackon DA - With PST	1	1,95E-08	1,97E-07	0,00E+00		

Systematic capability	3 (Route 1 _S applied)						
	Route 1 _H :	Applied	Route 2 _H :	Applied			
Architectural constraints	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:	traceability, m			of use, lifetime, failure rates atic capability constraints, make			

