

Certificate

Certificate
UL-US-2558746

Issue date
2025-03-04

Expiration date
2030-03-04

Report Reference
SR6027348



This is to acknowledge that

PETRAS S.A.S

560 Route De Rians Pourrieres 83910, France

has had

**Classic, Compact, Hydraulic & Pneumatic,
Single and Double Acting Actuators**

evaluated and meets the requirements of the standard(s)

**IEC 61508-2, 2nd Ed., Issue Date: 2010-04-01; IEC 61508-1,
2nd Ed., Issue Date: 2010-04-01**

General Conditions and Notes

- 1) This certificate (in accordance with UL's Functional Safety Certificate Scheme) does not imply that UL has issued product-marking based safety certification (such as Listing, Recognition, or Classification) nor will the referenced report authorize the use of product safety certification marks or other references to UL on these products.
- 2) This certificate only covers the product version that is listed in the report reference. Any changes applied to the certified product are not covered by this Certificate.

Certification Program Owner:

André Thieme

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FUNCTIONAL SAFETY CERTIFICATE OF COMPLIANCE

Classic, Compact, Hydraulic & Pneumatic, Single and Double Acting Actuators

HW Version Identification:	SW Version Identification:
n/a	n/a

The certified module provides the following safety ratings:

Safety Function/Goal	Max. Safety Rating	PFH avg /h	PFD avg (1yr)	DC %	Safe Failure Rate (/h)	HFT	SFF %	Type A/B
For single acting: To move the valve to its safe position (via a spring return) when the inlet pressure (pneumatic or hydraulic) is lost.	SIL 2	$1.2 \cdot 10^{-7}$	$5.2 \cdot 10^{-4}$	0	$4.7 \cdot 10^{-7}$	0	80	A
For single acting: To move the valve to its safe position (via a spring return) when the inlet pressure (pneumatic or hydraulic) is lost.	SIL 3	$1.2 \cdot 10^{-8}$	$5.2 \cdot 10^{-4}$	0	$4.7 \cdot 10^{-7}$	1	80	A
For Double acting: To move the valve to its safe position (via pneumatic/hydraulic pressure) upon demand	SIL 2	$1.0 \cdot 10^{-7}$	$4.5 \cdot 10^{-5}$	0	$6.2 \cdot 10^{-7}$	0	86	A
For Double acting: To move the valve to its safe position (via pneumatic/hydraulic pressure) upon demand	SIL 3	$1.0 \cdot 10^{-8}$	$4.5 \cdot 10^{-5}$	0	$6.2 \cdot 10^{-7}$	1	86	A
<ul style="list-style-type: none">- End users shall perform proof test interval as specified by the manufacture safety manual.- Classic consists of (0005, 0015, 0060, 0150, 0400, 5000)- Compact consists of (001, 004, 009, 011)- Single acting / single spring consists of (0416 (new model))- Single acting, single or dual springs consist of (0425 (new model))- Hydraulic actuators (001, 0005, 0015, 0060, 0150, 0400, 0416 (new model), 0425 (new model))								

Conditions of Safe Use of the Certified Product:

- 1) The product must be installed, operated, and maintained as specified in:

Document Identifier	Revision	Issue Date	Title
Safety manual	3	2025-03-20	Product safety manual, English version.

- 2) The manufacturer of the certified product shall keep record of the failure analysis for all returned products.

Certificate Revision Records

Issue Date	Revised Date	Report Reference No	Summary of Change Records
2025-03-04	2025-03-10	4791273351.3	0
2025-03-04	2025-03-18	SR6027348	1

Including further sites:

PETRAS S.A.S

560 Route De Rians, 83910 Pourrieres, France

