



Certificate no.

TAI-FS-C-20-0011

WE HEREBY CERTIFY THAT

Product description

PNEUMATIC PRESSURE SWITCH

Models

SERIES APS

DVG AUTOMATION S.p.A.

Manufacturer

Via Giacomo Rossetti 2 I-29016 Cortemaggiore (PC)

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-20-0023

Expiry date

28.04.2023

Issue date

29.04.2020

29.04.2020, Monte Roberto (AN)

Ing. Crescenzo Di Fratta

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Annex to certificate no. TAI-FS-C-20-0011

Туре	A
HFT	0
Safety functions	 De-energize-to-trip operation: to discharge a chamber of a single acting pneumatic actuator
Mode of operation	Low Demand Mode

	Random failure ra	tes		
Configuration	Safety function	λ _{DU} [1/h]	λ _{DD} [1/h]	λs [1/h]
APS	1	2,64E-08	0,00E+00	2,10E-07

Systematic capability	3 (Route 1s applied)			
	Route 1 _H :	Applied	Route 2 _H :	Applied
Architectural constraints	The product can be used in: single channel configuration: up to SIL 2 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 SCTD-SM-APS-01.

END OF CERTIFICATE

D.F.De

Ing. Crescenzo Di Fratta