



SIL Declaration of Conformity for linear pneumatic cylinders series

According to IEC 61508:2010



The Manufacturer:

API S.r.l.
Via Cornaggia, 107
22076 MOZZATE (COMO) – ITALY

The devices of the mentioned series are suitable for use in safety related systems as a single safety related subsystem according to IEC 61508-1/7:2010 for up to and including **SIL 3** and the hardware meets the requirements of IEC 61508. Detailed results in the test report **n°72765-1-R rev.00** of 09/09/2022.

Harmonized standards used:

IEC 61508 Part 1÷7 Functional safety of electrical/electronic/programmable electronic safety-related systems

Equipment description: Linear pneumatic cylinders

Series:	Type:						Sizes:	
ISO15552	AM	BM					Ø 32 ÷ Ø 320	
ISO6432	MS	MSM	MD	MDM	MDMA		Ø 8 ÷ Ø 25	
ISO21287	CI	CIS	CISN	CIN			Ø 16 ÷ Ø 125	
Round	RS	RD	RDM	RDMA	RED	REDM	RXD	Ø 32 ÷ Ø 63
UNITOP	CD	CDN	CS					Ø 12 ÷ Ø 100
Short stroke	BD	BDM	BDMN	BS	BSM			Ø 12 ÷ Ø 200
CNOMO	CM	CX						Ø 25 ÷ Ø 200

Safety function:

When de-energized, the devices move to its fail-safe position.
Depending on the version specified the device must be assembled in accordance with the manufacturer's recommendations and allowable desired function.

Systematic Integrity: SIL 3 Capable

Failure rates according to IEC 61508:

λ_{DD}	λ_{DU}	λ_{TOT}	SFF
2.9494E-08	2.2495E-09	2.9494E-08	>90%

Certificate registration number: 70 900 6521

Certificate valid to: 17 October 2025

Notified body: EUROCERTIFICATIONS s.r.l.
Address: Via Puccini 1 Madone 24040 - BG

Document issued by authorized person for the manufacturer:

Date:
09/01/2023

Chief Executive Officer:
Emanuela Doddi

Signature:
Emanuela Doddi



**SIL Declaration of Conformity
for valves and solenoid valves**
According to IEC 61508:2010



The Manufacturer:

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22076 MOZZATE (COMO) – ITALY

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Harmonized standards used:

IEC 61508 Part 1÷7 Functional safety of electrical/electronic/programmable electronic safety-related systems

Equipment description: Valves and solenoid valves

Series:	Sizes:
A1	G1/8" G1/4" G1/2"
AX1	G1/8" G1/4" G1/2"
ISO 5599/1	ISO1 ISO2

Safety function:

When de-energized, the devices move to its fail-safe position.
Depending on the version specified the device must be assembled in accordance with the manufacturer's recommendations and allowable desired function.

Systematic Integrity: SIL 3 Capable

Failure rates according to IEC 61508:

λ_{DD}	λ_{DU}	λ_s	λ_{TOT}	SFF
4.6401E-08	4.5211E-09	-	5.0922E-08	>90%

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09/01/2023

Chief Executive Officer:
Emanuela Doddi

Signature:



SIL Declaration of Conformity for rotary actuators series

According to IEC 61508:2010



The Manufacturer:

API S.r.l.
Via Cornaggia, 107
22076 MOZZATE (COMO) – ITALY

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Harmonized standards used:

IEC 61508 Part 1÷7 Functional safety of electrical/electronic/programmable electronic safety-related systems

Equipment description: **Rotary actuators**

Series: **AR**

Sizes: **Ø32 ÷ Ø400**

Safety function:

When de-energized, the devices move to its fail-safe position.
Depending on the version specified the device must be assembled in accordance with the manufacturer's recommendations and allowable desired function.

Systematic Integrity: **SIL 3 Capable**

Failure rates according to IEC 61508:

λ_{DD}	λ_{DU}	λ_s	λ_{TOT}	SFF
5.2926E-08	4.8114E-09	-	5.7737E-08	>90%

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09/01/2023

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Emanuela Doddi

Signature:
Emanuela Doddi



SIL Declaration of Conformity for limit switch box series

According to IEC 61508:2010



The Manufacturer:

API S.r.l.
Via Cornaggia, 107
22076 MOZZATE (COMO) – ITALY

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Harmonized standards used:

IEC 61508 Part 1÷7 Functional safety of electrical/electronic/programmable electronic safety-related systems

Equipment description: **Limit switch box**

Series: **SB**

Sizes: **SB100 SB200 SB400 SB500 SB600 SB700 SB800**

Safety function:

When de-energized, the devices move to its fail-safe position.
Depending on the version specified the device must be assembled in accordance with the manufacturer's recommendations and allowable desired function.

Systematic Integrity: **SIL 3 Capable**

Failure rates according to IEC 61508:

λ_{DD}	λ_{DU}	λ_s	λ_{TOT}	SFF
1.4618E-07	-	-	1.4618E-07	>90%

Certificate registration number: **70 900 6521**

Certificate valid to: **17 October 2025**

Notified body: **EUROCERTIFICATIONS s.r.l.**
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Document issued by authorized person for the manufacturer:

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09/01/2023

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Emanuela Doddi

Signature:
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**SIL Declaration of Conformity
for air units series**
According to IEC 61508:2010



The Manufacturer:

API S.r.l.
Via Cornaggia, 107
22076 MOZZATE (COMO) – ITALY

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Harmonized standards used:

IEC 61508 Part 1÷7 Functional safety of electrical/electronic/programmable electronic safety-related systems

Equipment description: Air units

Series:	Filters	Regulators	Lubricators		
Item:	A·F	A·R	A·L	A·FRRL	A·FRR
	A·FX	A·RX	A·LX	A·FRRLX	A·FRRX
Sizes:	G1/4"	G3/8"	G1/2"	G1"	

Safety function:

When de-energized, the devices move to its fail-safe position.
Depending on the version specified the device must be assembled in accordance with the manufacturer's recommendations and allowable desired function.

Systematic Integrity: SIL 3 Capable

Failure rates according to IEC 61508:

λ_{DD}	λ_{DU}	λ_{TOT}	SFF
4.0018E-08	-	1.1434E-09	>90%

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Certificate valid to: 17 October 2025

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09/01/2023

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Emanuela Doddi

Signature:
Emanuela Doddi