



Italia

# CERTIFICATE

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use  
in potentially explosive atmospheres  
Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

**TÜV IT 22 ATEX 051 X Rev.1**

[4] Equipment or Protective System: Intrinsically safe coils COW-100, COW-150,  
COW-100/M, COW-150/M

[5] Manufacturer: ATOS S.p.A.

[6] Address: Via alla Piana, 57  
I-21018 Sesto Calende (VA) – Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. R 22 EX 060

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0: 2018; EN 60079-11: 2012**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:



**II 1G Ex ia IIC T6 Ga or  
II 1G Ex ia IIC T5 Ga or  
I M1 Ex ia I Ma (only /M version)**

This certificate may only be reproduced in its entirety and without any change, schedule included.

Issue date: 03<sup>rd</sup> October 2024



PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento  
EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual  
Recognition Agreements



**TÜV Italia S.r.l.  
Notified body N° 0948**

*Alberto Carelli*  
**Alberto Carelli**

**Industry Service - Real Estate & Infrastructure  
Managing Director**

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 722294949.



[13]

**SCHEDULE**



Italia

[14]

**EU-TYPE EXAMINATION CERTIFICATE**  
no. TÜV IT 22 ATEX 051 X Rev.1

**Certificate History**

Revision:	Description:	Report rev.:	Issue Date:
-	First issue	-	15/11/2022
1	Minor change: drawings name update	1	03/10/2024

[15] **Description of equipment**

The intrinsically safe coils are permanently mounted device powered by intrinsically safe associate apparatus.

These coils are used to command control valves, operating in hazardous areas with explosive environment.

The models are:

<b>COW-</b>	<b>(1)</b>	<b>(2)</b>
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<b>COW-</b>	
	Coil for solenoid spool valves
<b>(1)</b>	Electrical details: <b>"100"</b> or <b>"150"</b> . <b>"100"</b> stands for a rated coil resistance of $108\Omega \pm 5\%$ (two poles, + and -) <b>"150"</b> stands for a rated coil resistance of $157\Omega \pm 5\%$ (two poles, + and -)
<b>(2)</b>	Versions: <b>"/M"</b> or <b>"No character"</b> <b>"/M"</b> stands for mines, Ma, application <b>"No character"</b> : stands for surface industry, Ga, application

**Rated characteristics**

EPL Ga : flammable gas, vapours, mists	EPL Ma : firedamp mines
Ui = 30V li = 800mA Pi = 3W Ci≈0, Li≈0 Ri = 149,15 Ω (150 Version) or Ri = 102,6 Ω (100 Version) T6: Tamb = -40÷60°C	Ui = 30V li = 2200mA Pi = 6,82W Ci≈0 Li≈0 Ri = 149,15 Ω (150 Version) or Ri = 102,6 Ω (100 Version) Tamb = -40÷60°C
Ui = 30V li = 2200mA Pi = 6,82W Ci≈0, Li≈0 Ri = 149,15 Ω (150 Version) or Ri = 102,6 Ω (100 Version) T5: Tamb = -40÷60°C T6: Tamb = -40÷45°C	

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[13]

**SCHEDULE**

[14]

**EU-TYPE EXAMINATION CERTIFICATE**  
**no. TÜV IT 22 ATEX 051 X Rev.1**

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**Warning label**

WARNING: POTENTIAL ELECTROSTATIC CHARGE HAZARD. SEE SAFETY MANUAL.

[16] **Report no.** R 22 EX 060 Rev.1**Routine tests**

None.

[17] **Special conditions for safe use**

Ambient temperature:

- 40 °C to 60°C (T5 version and 2200 mA (6,82 W), T6 version and 800 mA (3W) and mining version 2200 mA (6,82 W))

- 40°C to 45°C (T6 version and 2200 mA current (6,82 W))

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents****Listed documents** (prot. 722294949)

Title:	Description:	Pages:	Rev:	Date:
Ex 001-00	Technical file	25	1.1	09/07/2021
TT392	Manual	3	0	20/09/2022
A6-COW-300032-I	Label	1	0	20/09/2022
A6-COW-300032-M-I	Label for mining	1	0	20/02/2022
A6-OW-301000-I	Technical drawing	1	0	16/09/2022
E-FAS_AD 30	Board drawings	1	0	12/01/2021

One copy of all documents is kept in TÜV Italia files.

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