

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 25 ATEX 58191X** **Issue 0**

[4] Product: **Intrinsically Safe Solenoid Valve
Type A24CI*0T******

[5] Manufacturer: **Doruk Endustri Vana ve Otomasyon Sistemleri
Ltd. Sti**

[5] Trademark **PROVAL**

[6] Address: **KOBI OSB,1 Cad. 32 Sok No:10 Dilovasi Kocaeli
Türkiye**

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

[8] DNV Product Assurance AS, notified body number 2460, 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 reports listed in item 16.


[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 and EN 60079-11:2012**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. 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 1 G Ex ia IIC T6 Ga**
II 2 D Ex ia IIIC T85°C Db



Date of issue:
2025-04-30



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 25 ATEX 58191X Issue 0

[15] **Description of Product**

The A24CI*0T**** series intrinsically safe solenoid valve is a 3/2 direct acting explosion-proof solenoid valve which can be used in hazardous area (Zone 0 and Zone 21).

The cover and coil shell of A24CI*0T**A* are made of ADC12 aluminum alloy, while valve body is made of 6063 aluminum alloy. The cover, coil shell and valve body of A24CI*0T**S* are made of 316L stainless steel. The electromagnetic coil is made of H class enameled wire. The internal safety circuit of the diodes is sealed in the enclosure with epoxy resin.

Type designation

A24CI	<input type="checkbox"/>	0	T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cable Entry: M: M20x1.5 N: ½" NPT							
Coil size, enclosure material: A: 31x31, Aluminum S: 31x31, Stainless Steel 316L							
Manual operation: M: with Manual Override 0: without Manual Override							
Valve body installation form: N: Namur C: Cnomo I: In-line							
Ambient temperature: T: -40°C to +60°C							
Function & material of body: A: 3/2 Aluminum S: 3/2 Stainless Steel 316L							

Electrical Data

Intrinsically safe parameters:

Ui: 26 V, Ii: 142 mA, Pi: 0.923 W, Ci: 0 uF, Li: 0 µH

Degrees of protection (IP Code)

IP67 (1m, 30min)

Ambient temperature:

-40°C to +60°C

Routine tests

None

[16] **Report No.:** 2025-9123, Rev.00
Project No.: PRJN-914324

[17] **Specific Condition(s) of Use**

- The equipment must be supplied through the certified isolation safety barrier with an output resistance of at least 183.1Ω.
- For A24CI*OT**A* Series, the user must take effective measures to prevent the ignition hazard of the equipment enclosure due to impact or friction when used in Zone 0 hazardous area.

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

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

As listed in confidential report 2025-9123.

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2025-04-30	2025-9123, Rev. 00

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE

