

[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 22 ATEX 42847X** **Issue 0**

[4] Product: **Flameproof Solenoid Coil**

[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 Turkey**

[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 and Article 21 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 60079-1:2014.**

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 design and construction 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 2 G Ex db IIC T6 Gb**

Date of issue:
2022-06-30



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info



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Schedule

[14]

EU-Type Examination Certificate No:

DNV 22 ATEX 42847X

Issue 0

[15]

Description of Product

The A24C series of PROVAL flameproof solenoid coil comprised an Ex d enclosure with a single flameproof compartment. A field wiring terminal and a coil is built inside of the enclosure. The enclosure may be of stainless steel or Aluminium. There is M20X1.5 or ½ NPT entry hole on the enclosure; the entry hole is installed with appropriate cable glands which have obtained ATEX certificates according to instruction manual.

Type designation

A24C

X

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X

Code of Rating

A: 12VDC - ≤3.5W

B: 24VDC - 3.5W

C: 24VDC - ≤1.0W

D: 24VAC - 4VA 50/60HZ

E: 110VAC - 4VA 50/60HZ

F: 120VAC - 4VA 50/60HZ

G: 220VAC - 4VA 50/60HZ

H: 240VAC - 4VA 50/60HZ

Code of enclosure material

1: Stainless steel enclosure

2: Aluminium enclosure

A24C: Code of PROVAL flameproof solenoid Coil

Ambient temperature:

-20°C to +60°C

Routine tests

- Each Ex d enclosure must be routine pressure tested with 20 bars for at least 10 seconds according to clause 16 of EN 60079-1.

[16]

Report No.: 2022-9357, Rev.00

Project No.: PRJC-353310-2011-PRC-CHN

[17]

Specific Conditions of Use

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 2 and 3 of EN 60079-1.

[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 2022-9357.

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2022-06-30	2022-9357. Rev.00

END OF CERTIFICATE

