

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Presafe 20 ATEX 48896X** **Issue 1**

[4] Product: **1990 Flameproof Enclosure.**

[5] Manufacturer: **Rotork Sweden AB**

[6] Address: **Kontrollvägen 15
SE-791 45 Falun
Sweden**

[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, EN 60079-1:2014, EN 60079-31:2014**

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 specified in the schedule to 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-T4 Gb**
II 2 D Ex tb IIIC T80-T127 Db.



Date of issue:
2021-04-23



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

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** Presafe 20 ATEX 48896X Issue 1

[15] **Description of Product**

Explosion-proof switch-box enclosure with threaded lid made in cast iron or stainless steel. Shaft operated mechanical switches or proximity sensors. Individually adjustable cams for switch operations. 12-way terminal strip with screw connections. Entries and plugs must be appropriately certified.

Type designation

1990

Electrical Data

6 Amps, Max 15 W Internal Power
Rating according to used components

Degrees of protection (IP Code)

IP 66 / IP 67 according to EN 60529.

Ambient temperature:

-50°C ≤ Ta ≤ 110°C

-50°C ≤ Ta ≤ 75°C

-50°C ≤ Ta ≤ 60°C

[16] **Report No.:** 182325

[17] **Specific Conditions of Use**

1. ATEX and IECEx certified cable gland to be used.
2. Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made based on values specified in tables 3 of EN/IEC 60079-1.
3. With types of protection Ex db and Ex tb temperature rating for the cable and cable glands shall have a service temperature according to Ta on the label with the upper level increased by 17°C. Maximum range is -50°C to +127°C.

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

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
017730	1990 Marking signs	D	2021-04-20
003316	1990 Switchbox Lid Machining	E	2021-03-12
004474	1990 Switchbox Base General Drawing	F	2020-05-28
004084	Shaft for 1990-box General drawing	C	2018-09-20
004405	1990 Switch box - General drawing for Switches and/or Kinax/Pot	D	2021-03-12
DOK-000060	RC 1990 technical data	D	2021-04-11

001333	Drive shaft Bush 1990-Box	C	2020-02-12
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[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2021-04-16	182325
1	Typo error on rev & dates updated in the descriptive drawing for marking signs.	2021-04-23	182325

END OF CERTIFICATE

