



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX PRE 20.0020X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-04-16

Applicant: **Rotork Sweden AB**  
Kontrollvägen 15  
SE-791 45 Falun  
SWEDEN  
**Sweden**

Equipment: **1990 Flameproof Enclosure**

Optional accessory:

Type of Protection: **Ex db & Ex tb**

Marking: Ex db IIC T6-T4 Gb  
Ex tb IIIC 80-T127 Db.

Approved for issue on behalf of the IECEx  
Certification Body:

**Bjørn Spongsveen**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

2021-04-27

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV Product Assurance AS**  
**Veritasveien 3**  
**Hovik 1363**  
**Norway**





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Date of issue: 2021-04-16

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Manufacturer: **Rotork Sweden AB**  
Kontrollvägen 15  
Falun SE-791 45  
**Sweden**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR21.0020/00](#)

Quality Assessment Report:

[NO/NEM/QAR16.0001/03](#)



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Date of issue: 2021-04-16

Issue No: 0

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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 have to be appropriately certified.

### **Type designation**

1990

### **Electrical Data**

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

### **Degrees of protection (IP Code)**

IP 66 / IP 67 according to EN 60529.

### **Ambient temperature:**

$-50^{\circ}\text{C} \leq T_a \leq 110^{\circ}\text{C}$   
 $-50^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$   
 $-50^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- 1) 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 on the basis of 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  $T_a$  on the label with the upper level increased by  $17^{\circ}\text{C}$ . Maximum range is  $-50^{\circ}\text{C}$  to  $+127^{\circ}\text{C}$ .