



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

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 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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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°C . Maximum range is -50°C to $+127^{\circ}\text{C}$.