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Explosion Safety Instruction

Fire dampers type:
mcr FID S/S p/P
mcr FID S/S p/O
mcr FID S/S c/P
mcr FID PRO
mcr WIP
mcr WIP PRO

Version 1 EX_2017.07.13

FIRE VENTILATION SYSTEMS

Explosion Safety Instruction

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Explosion Safety Instruction

CAUTION

All previous issues of this Explosion Safety Instruction expire on the date of issue hereof. The Explosion Safety Instruction does not apply to the fire dampers manufactured before its date of issue.

1. SUBJECT

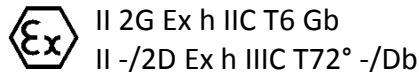
The subject of Explosion Safety Instruction are the aspects of explosion-proof fire dampers of the type mcr FID S/S p/O, mcr FID S/S p/P, mcr FID S/S c/P, mcr FID PRO, mcr WIP, mcr WIP PRO.

The following document contains supplementary information on fire dampers regarding its explosion safety aspects based on Directive 2014/34 / EU and related harmonized standards. The Explosion Safety Instructions document is a supplement to the Technical and Operating Documentation, individual fire dampers.

2. OPERATING PRINCIPLE

This device is intended for use in zone 1 of the explosion hazard of gases inside and outside the ventilation duct and zone 21 of the dust explosion hazard outside the ventilation duct and meets the requirements of Category 2G 2G and - / 2D.

Device marking:



Ambient temperature: Ta: -20° ÷ +50°C

3. RESTRICTIONS

Any changes in the way of installation, use, operating rules (eg installation site, other working arrangement, change of transport medium, rotational speed, viscosity, ambient temperature, etc.) may cause ignition sources or their configuration, which are not considered with herein document.

The manufacturer of the appliance shall not be liable for any damages which may arise as a result of non-compliance with the operating instructions and conditions of use of the products.

This document specifies the instructions for operating the components of the explosion protection.

This document should be read and used together with the operating instructions for the equipment in the product.

Any modifications made to the design of the product result in the loss of explosion safety.

4. GENERAL RECOMMENDATIONS

Perform inspections and maintenance in accordance with the requirements of EN 60079-17 and the operating instructions of a specific fire damper.

Particular attention should be paid to the explosion-proof (Ex d) equipment:

- A. Fixing screws (their completeness, wear rate, proper tightening, the presence of self-tapping protection - eg spring washers)
- B. Flammable joint surface condition;
- C. Electrical connections and protective circuits;
- D. Cable choke in cable glands;
- E. Blinding of unused openings with explosion-proof and flameproof plugs;
- F. Maintaining adequate cleanliness of the external surfaces to provide nominal cooling conditions;

5. SUPPLEMENTARY INFORMATION

During assembly and operation, secure ventilation against dust and solids.

Ventilation gaskets located inside the fire damper duct and blinds (shutters) during repairs, replace with certified electrostatic seals with a surface resistance of less than 1GΩ.

The fire damper should be grounded electrically by appropriate equalizing conductor of appropriate cross-section.