

The art of handling air

TYPE FKT-EU

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FIRE AND SMOKE PROTECTION FOR THE MOST CRITICAL REQUIREMENTS

Rectangular fire dampers with excellent temperature resistance, for the isolation of duct penetrations between fire compartments

- Nominal sizes 300 × 400 – 600 × 600 mm, in increments of 50 mm
- Casing and damper blade made of temperature-resistant calcium silicate
- Remote control with electric 24 V or 230 V actuator, thermal release at 72 °C
- Low differential pressure and sound power level
- Resists temperatures up to 1300 °C (according to HCM curve)
- Installation with horizontal damper blade shaft
- Casing air leakage to EN 1751, class C

Optional equipment and accessories

- Duct smoke detector RM-O-VS-D or RM-O-3-D
- Integration into the central BMS with TROXNETCOM



Application

- Fire dampers of Type FKT-EU, with CE marking and declaration of performance, for the isolation of duct penetrations between fire compartments in the event of a fire
- To prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments

Special characteristics

- Declaration of performance according to Construction Products Regulation
- Classification to EN 13501-3, EI 120 (ve, i → o) S
- Building inspectorate licence Z-56.4212-990, non-hazardous to health
- Complies with the requirements of EN 15650
- Tested to EN 1366-2 for fire resistance properties
- Casing air leakage to EN 1751, class C
- Resists temperatures up to 1300 °C (according to HCM curve)
- Installation with horizontal damper blade shaft
- Low differential pressure and sound power level
- Integration into the central BMS with TROXNETCOM

Classification

- Class of performance to EN 13501-3, up to EI 120 (ve, i → o) S

Nominal sizes

- B × H: 300 × 400 – 600 × 600 mm (in increments of 50 mm)
- Casing length L = 690 mm

Attachments

- Spring return actuator for 24/230 V AC/DC supply voltage
- Network module for the integration with AS-i or LON networks

Useful additions

- Duct smoke detector RM-O-3-D
- Duct smoke detector with airflow monitor RM- O-VS-D

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Parts and characteristics

- Installation only with horizontal damper blade shaft

Construction features

- Square or rectangular construction
- Actuated by a spring return actuator
- Remote control with actuator

Materials and surfaces

- Casing and damper blade made of calcium silicate
- Brass bearings
- Shafts made of stainless steel

Standards and guidelines

- Construction Products Regulation
- EN 15650:2010 Ventilation for buildings – Fire dampers
- EN 1366-2:1999 Fire resistance tests for service installations – Fire dampers
- EN 13501-3:2010 Fire classification of construction products and building elements
- EN 1751:1999 Ventilation for buildings – Air terminal devices

Maintenance

- The functional reliability of the fire damper must be tested at least every six months; this has to be arranged by the owner of the ventilation system; functional tests must be carried out in compliance with the basic maintenance principles stated in EN 13306 and DIN 31051. If two consecutive tests, one 6 months after the other, are successful, the next test can be conducted one year later.
- A functional test involves closing the damper blade and opening it again; with a spring return actuator this can be done via remote control
- Fire dampers must be included in the regular cleaning schedule for the ventilation system
- For details on maintenance and inspection refer to the installation and operating manual

TECHNICAL INFORMATION

FUNCTION, TECHNICAL DATA, QUICK SIZING, SPECIFICATION TEXT, ORDER CODE 

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Attachments, Dimensions and weight



Correct use, Installation details, Basic information and nomenclature



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