

# Short description and Type key for the UV-Flame Detector „FL (Ex) d 07-...-...“,

## 1. Short description

The UV-Flame Detector reacts only upon the short wave part of the UV range (UV C 200 nm 280 nm, where by the highest sensibility is between 210 nm +/- 10 nm) of the optical radiation emanating from an open flame and is designed in the type of protection "pressure-proof encapsulation" d ".

The housing is closed at the front with a lid.

On the upper side there is a thread for receiving a light guide or a locking screw, and on the underside are two threads for receiving either two cable- and cable entries or a cable- and cable entry and a locking screw.

Depending on the version, the UV-Flame Detector is equipped with or without an automatic UV test (function test). For models with the automatic UV-Test, the optics and the UV-Detector tube is monitored for its operability.

The UV-Flame Detector has a status LED (RGB) to indicate the operating conditions. Depending on the version, the UV-Flame Detector either has potential-free signaling contacts (alarm, collective fault and maximum temperature) which can be wired with Medline resistors or via a Feldbus system (PROFIBUS) to indicate the operating status.

## 2. Type key

The UV-Flame Detector with automatic UV - Test, Relay:

**Type: FL (Ex) d 07-T-RE-... , Tkz: 80572**

With potential free contacts:

**Type: FL (Ex) d 07-T-RE-N , Tkz: 80572**

With message lines - resistors connected:

**Type: FL (Ex) d 07-T-RE-M... , Tkz: 80572**

↑ Different versions symbol "0 - 9" or "A - Z"

The UV-Flame Detector without automatic UV - Test, Relay:

**Type: FL (Ex) d 07-O-RE-... , Tkz: 80607**

With potential free contacts:

**Type: FL (Ex) d 07-O-RE-N , Tkz: 80607**

With message lines - resistors connected:

**Type: FL (Ex) d 07-O-RE-M... , Tkz: 80607**

↑ Different versions symbol "0 - 9" or "A - Z"

The UV-Flame Detector with automatic UV - Test, PROFIBUS - DP Slave:

**Type: FL (Ex) d 07-T-FB-A , Tkz: 80608**

The UV-Flame Detector without automatic UV - Test, PROFIBUS - DP Slave:

**Type: FL (Ex) d 07-O-FB-A , Tkz: 80609**

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Version 1

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