

CU-LT-M CE-Certified Rectangular Motorized Fire Damper



Description

Fire dampers with fire resistance up to 120 minutes, CE marked with performance declared according to EN 15650:2010 and with fire resistance determined according to EN 1366-2 up to EI 120 (ve i ↔ o)S - (500Pa) and EI 120 (ho i ↔ o) S - (500 Pa) depending on the installation surface. The dampers can be equipped with different types of mechanisms, depending on the specific needs of the project.

Characteristics

Galvanised steel structure. 25 mm thick refractory blade. Dimensions: from 200x100 to 800x600. Heat-expanding perimeter seal. 2 microswitches (one start and one end switch) already installed. 20 mm connection flange. 300 mm case. Easy to install. Optimised free surface and minimal pressure drop thanks to the total absence of internal levers. Optimal acoustic performance. Class C air tightness according to EN1751. Suitable for recessed installation in any direction 0/90/180/270°. Suitable for installation at a distance from the wall. Suitable for rigid wall, rigid floor and lightweight wall (plasterboard). Does not require maintenance. For indoor use. Intermediate dimensions on request. Operating temperature: max 50°C.

Application and Classification

- Rigid wall: EI 120 (ve i ↔ o) S - (500 Pa).
- Lightweight wall: EI 120 (ve i ↔ o) S - (300 Pa) with Weichschott sealing on plasterboard wall.
- Slab: EI 120 (ho i ↔ o) S - (500 Pa) aerated concrete.

Minimum distance principle

CU-LT fire dampers can be installed with coupled flanges adjacent to a wall, ceiling or floor. This type of fire damper has been optimised to minimise the installation distance between two dampers and between the damper and the adjacent wall.

Standard Version

- With RFT electronic servomotor drive: code CU-LT + ONE T 24/230 V FDCU.
- With Belimo servomotor drive: code CU-LT + BFLT 24 / 230 V.

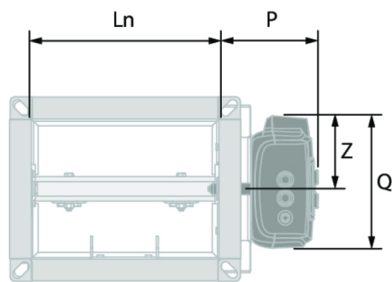
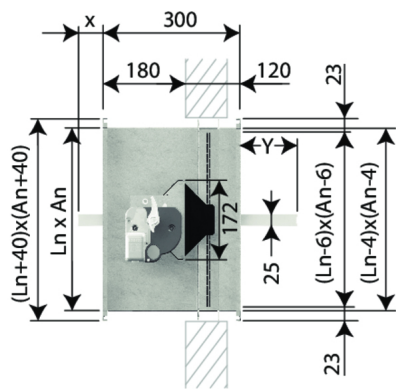
ONE RFT actuator characteristics

The microprocessor-controlled servomotor with spring return, ONE Rf-t, is designed to efficiently operate Rf-t fire dampers of any size. The main characteristics of the ONE Rf-t actuator are the following:

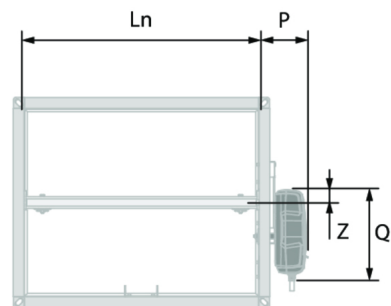
- very low stand-by energy consumption (0.12 W) which allows for up to 5 times less energy consumption compared to conventional servomotors installed in fire dampers;
- the opening status of the fire damper is visible via an indicator located on the actuator; in addition to this, an LED indicates whether the device is powered;
- the main thermal activation device allows for operational tests to be performed even if there is no mains power supply;
- a further activation device is integrated in the actuator in order to detect a possible fire outside the duct;
- the fuse can be replaced quickly and easily. The fuse housing is located in the servomotor body and it can also be used as an inspection hole for an endoscopic camera;
- the damper can be reset manually using a common 9 Volt alkaline battery. Up to 50 reset cycles can be performed with a single battery;
- IP54 enclosure made of shock-resistant technical polymer.
- there is a pair of microswitches at the start and at the end. Both power and position cables are oversized and clearly identified.
- power supply 24 VAC/VDC (-10/+20%) or 230 VAC (-15/+15%).

Accessories

- F-ONE - 72°C Thermal Fuse for ONE RFT actuator.
- F-BEL - 72°C Z-BAT Thermal Fuse for Belimo actuators.



An < 400mm



An ≥ 400mm

Dimensions

x: blade coming out on servomotor side

y: blade coming out on wall side

An (mm)	150	200	250	300	350	400	450	500	550
x (mm)								17	42
y (mm)	2	27	52	77	102	127	152	177	202

	An < 400mm (mm)		An ≥ 400mm (mm)	
	ONE	BFLT	ONE	BFLT
P (mm)	97	81	97	81
Q (mm)	136	80	191	80
Z (mm)	75	40	27	40

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Spare Fuses

Description		Eur
	F-ONE - 72°C Thermal Fuse for ONE RFT actuator	-
	F-BEL - 72°C Z-BAT Thermal Fuse for Belimo actuators	-