
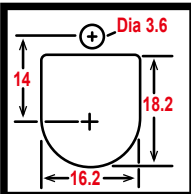
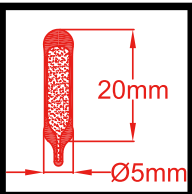
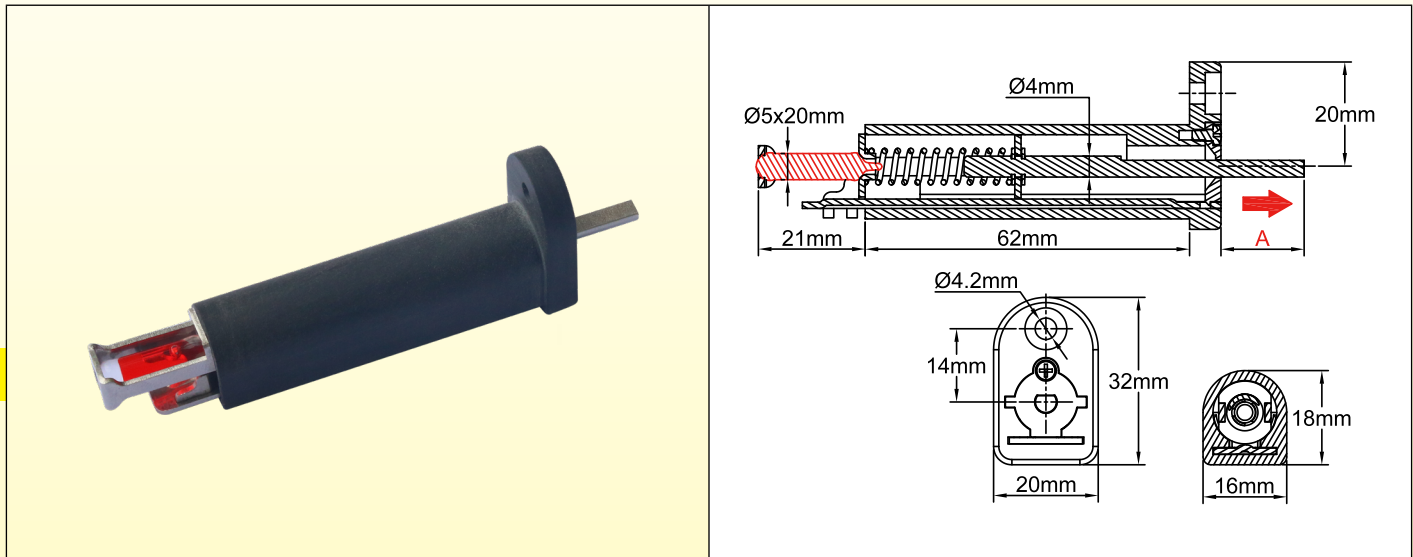


# Thermal actuators with **pushing action**, for fire dampers, operated by **thermal glass bulb**

Material	Tripping force	Mounting hole dimensions (mm)	Thermal bulb dimensions	Types
<b>304 Stainless steel</b>				<b>51B</b>



These mechanical thermal actuators are intended to close the fire dampers used on the ventilation ducts. Their **large operating force unlocks the spring actuating the damper**. Requiring **no power supply**, these devices are particularly simple and reliable. They are mandatory for all fire dampers to meet the NF-S 61.937 standard. **Since thermal bulbs are not subject to creep, their periodic replacement is not necessary.**

**Length (A) of the actuating rod before release:** 5, 10 or 15mm

**Stroke of the actuating rod when triggering:**  $\geq 20$  mm

**Pushing force of the actuating rod:**  $\geq 15$  DaN (at the beginning of the stroke)

**Communication with the external environment:** The mechanisms are equipped with a low leakage wall, separating the air of the ventilation duct from that of the external environment.

**Installation:** Through the wall of the ventilation duct, with M4 screws or self-tapping screws of similar dimensions. See the metal sheet cutting drawing above.

**Body material:** PA66 glass fiber reinforced, withstands temperature 200 C

**Mechanism material:** Stainless steel Aisi 304

**ROHS compliance:** These mechanisms are ROHS compliant.

**Identification:** Model and date of manufacture are stamped on each mechanism. When equipped with a thermal bulb, it has its own color identification (see the data sheets of the thermal bulbs).

**Salt spray resistance:** According to ISO 9227-2012, subjected to a mist formed of 20% by weight of sodium chloride in distilled water, at 35°C for 5 days (120h), the mechanisms retain their aptitude for the function.

## Main references

Temperature	Length A	Reference	Length A	Reference	Longueur A	Référence
Without thermal bulb	5mm	51B2006215PA0000	10mm	51B2006215PB0000	15mm	51B2006215PC0000
57°C (135°F)	5mm	51B20062152A0570	10mm	51B20062152B0570	15mm	51B20062152C0570
68°C (155°F)	5mm	51B20062152A0680	10mm	51B20062152B0680	15mm	51B20062152C0680
79°C (174°F)	5mm	51B20062152A0790	10mm	51B20062152B0790	15mm	51B20062152C0790
93°C (199°F)	5mm	51B20062152A0930	10mm	51B20062152B0930	15mm	51B20062152C0930
141°C (286°F)	5mm	51B20062152A1410	10mm	51B20062152B1410	15mm	51B20062152C1410