

BA6022F

Thermal actuator (NC) for control valves

Product features

Normally closed version (NC)

Force: 110 N

Stroke max.: 4,5 mm ¹⁾

U_v: AC 24 Volt, 50/60 Hz or DC 24 Volt

Y: 0(2) – 10 Vdc

With 'Auto-fit' function

With valve adapter M30 x 1,5 (type AF10)

Types

Type	U _v	Y	Closing dimension [mm]	Cable length [m]
BA6022F.10.01	AC 24 V	0(2) – 10 Vdc	10,8 ²⁾	1
BA6022F.10.01.DC	DC 24 V	0(2) – 10 Vdc	10,8 ²⁾	2

¹⁾Controlled stroke: 4,0 mm at Y: 2 – 10 Vdc

²⁾The included spacer allows adjustment of the closing dimension to 8,2 mm or 10,2 mm

Specifications

Power supply U_v

AC 24 V $\pm$ 20%, 50 to 60 Hz

DC 24 V $\pm$ 20%

Power consumption

Rated power: 1.1 W (24 V AC or DC)

Inrush power: 4.8 W (24 V AC or DC)

Inrush current: 200 mA (24 V AC or DC)

Control signal

Control signal: 0 – 10 Vdc

Control range: 2 – 10 Vdc

Position without power

Normally closed (NC)

Actuating force

110 N

Stroke

4.5 mm (4,0 mm at Y: 2 – 10 Vdc)

Valve connection

Union nut M30 x 1.5 (female)

Closing dimension

Without spacer: 10.8 mm

With spacer A: 10.2 mm

With spacer B: 8.4 mm

First-open function

Yes, automatic release after power-on

Position on delivery

In first-open position

Re-opening function

Yes, adjustable

Closing point detection

Automatic

Electrical connection

Cable 3 x 0.25 mm², 1 m, white

Insulation class

Class III (EN 60730-1, at 24 V AC or DC)

Degree of protection

IP54 (EN 60730-1)

CE conformity

Low Voltage Directive: 2014/35/EU. EN 60730-1, EN 60730-2-14

EMC Directive: 2014/30/EU. EN 60730-1

RoHS Directive: 2011/65/EU. EN IEC 63000

Temperature

Ambient: 0 – 50 °C

Valve: max. 100 °C

Storage: –25 – 70 °C

Humidity

Max. 85% RH, non-condensing

Dimensions (H x W x L)

68 x 40 x 56 mm

Weight

120 g

Questions or request a quote for BA6022F?

Our experts can help you with technical questions, product selection and provide a quotation for your project.

Ask a question Request a quote



+32 (0)16 29 93 00