



BA6022F

Thermal actuator (NC) for control valves

Product features

U_v: AC 24 Volt or DC 24 Volt
Y: 0(2)..10Vdc
Stroke: 4 mm
Actuating force: 110N
Normally closed version (NC)
With 'Auto-Fit' function (AF)
With valve adaptation M30 x 1.5

Types

Type	Stroke	Force	U _v	Y	Closing dimension
BA6022F.10.01	4,0 mm	110 N	AC 24 Volt	0(2)..10Vdc	10,8 mm ¹⁾
BA6022F.10.01.DC	4,0 mm	110 N	DC 24 Volt	0(2)..10Vdc	10,8 mm ¹⁾

¹⁾ The closing dimension is adjustable to 8.4 mm or 10.2 mm with the included spacer.

Specifications

Power supply U_v

AC 24 V ± 20%, 50 to 60 Hz

DC 24 V ± 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 V DC

Control range: 2 - 10 V DC

Position without power

Normally closed (NC)

Actuating force

110 N

Stroke

4.0 mm

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

Interested in or have questions about BA6022F?

Our experts can support you with the application of this product in your project or installation.

Contact experts+32 (0)16 29 93 00