Climate Control

IMI TA

TA-MC50-C

Actuators
High performance proportional actuator – 500 N

TA-MC50-C

High performance proportional actuators with automatic stroke adaptation which provide 3-point control when used together with 2-way and 3-way control valves from IMI.

Key features

Easy commissioning
Automatic measurement and adaptation to the valve lift as well as load-dependent end position switch-off helps to reduce commissioning time and protect the valve and actuator from overloading.

Easy troubleshooting
Protected hand drive for a safe manual operation which enables easy troubleshooting.

Ease of service
The actuator housing cover is easy to remove. Parameters can easily be changed on site.

Technical description

Functions:
3-point control.

Supply voltage:
230 VAC ±10%
Frequency 50-60 Hz ±5%

Power consumption:
Idle/standby: 3.5 VA
Dimensioning: 9.9 VA
Nominal: 5.3 VA

Input signal:
3-point control.

Control speed:
22 s/mm

Adjusting force:
500 N

Operation mode:
S1 100%ED

End position switch-off:
Load-dependent

Temperature:
Media temperature: max. 120°C
Operating environment: 0°C – +50°C
(5-85%RH, non-condensing)
Storage environment: -20°C – +60°C
(5-85%RH, non-condensing)

Ingress protection:
IP40

Protection class:
II (according to EN 60730)

Stroke:
Max. 10 mm

Cable:
0.75 mm^2, 1.5 m with wire end sleeve.

Connection to valve:
Swivelling nut M30x1.5 of brass.

Colour:
Black body and red cover.

Marking:
IMI TA, CE, Article No, product name and technical specification.
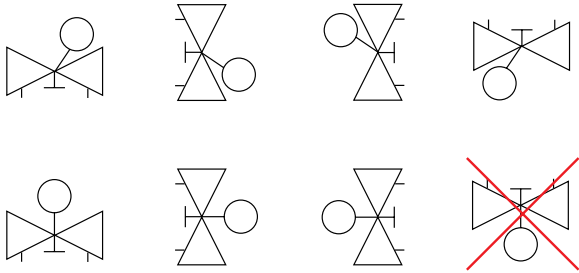
Weight:
0,20 kg

Function

Manual operation
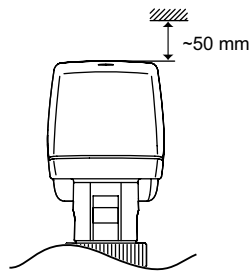Switch off the power supply and turn with 4 mm allen key.

Position indication
Orange pin

Installation
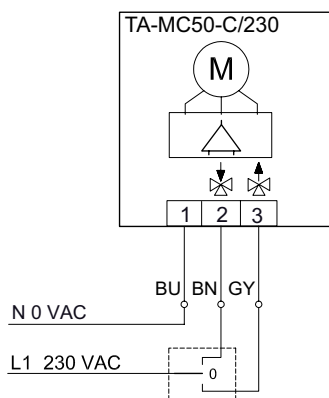

Note!

~50 mm

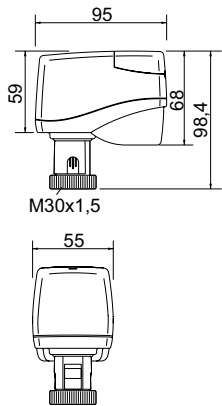## Connection diagram

230 VAC

3-point

For 230V in 3-point control, the actuating direction can be changed by exchanging the **grey** and **brown** wires.

Articles

95

59

68

98,4

M30x1,5

55

TA-MC50-C

Supply voltage	Input signal	EAN	Article No
230 VAC	3-point	3831112527775	61 050-012

IMI