

Climate  
Control

IMI TA

## TA-Lite 120 – On-off control



### Actuators

Motorized push actuator for on-off control - 120 N

## TA-Lite 120 – On-off control

Motorized actuator for On-off control compatible with TA-Nano/ TA-Nano Plus valves. It will be mainly used for small hydronic applications such as fan coil, chilled beams and zone valves.



### Technical description

**Functions:**

On-off control  
LED position indicator

**Supply voltage:**

24 VAC/VDC  $\pm 15\%$   
230 VAC  $\pm 15\%$ ; Frequency 50-60 Hz

**Power consumption:**

Operation: 2 W  
Standby: 0.5 W  
Charging: 2 W

**Control speed:**

10 s/mm

**Adjusting force:**

120 N

**Temperature:**

Media temperature: max. 120°C  
Operating environment: 0°C – +50°C  
(5-95%RH, non-condensing)  
Storage environment: -20°C – +70°C  
(5-95%RH, non-condensing)

**Ingress protection:**

IP54/IP40 depending on position  
(according to EN 60529)

**Protection class:**

Class II (according to EN 61140)

**Cable:**

2 or 5 m. 0.5 m on request.  
24 VAC/VDC: 2x0,75 mm<sup>2</sup>  
230 VAC: 2x0,5 mm<sup>2</sup>

**Stroke:**

6 mm

**Noise level:**

Max. 30 dBA

**Weight:**

0.17 kg, 0.5 m cable (on request)  
0.22 kg, 2 m cable.  
0.30 kg, 5 m cable.

**Connection to valve:**

Swivelling nut M30x1,5.

**Material:**

Cover: PC + ABS  
Housing: PC + 20GF  
Swivelling nut: PC + 20GF  
Cable: PVC

**Colour:**

Purple RAL 310 2023, grey RAL 7047.

**Marking:**

IMI, CE, product name, article No. and technical specification.

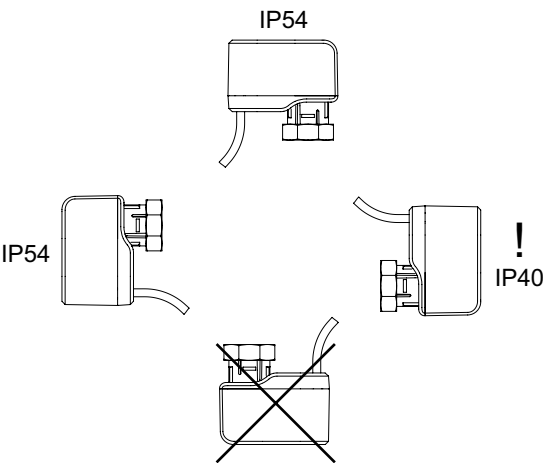
**Certification CE:**

LV-D. 2014/35/EU: EN 60730-1.  
EMC-D. 2014/30/EU: EN 60730-1.  
RoHS-D. 2011/65/EU: IEC 62321.

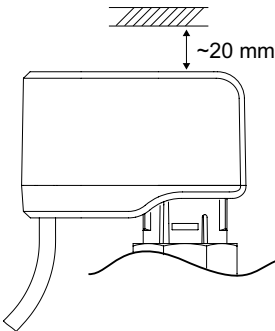
**Product standard:**

EN 60730

## Installation



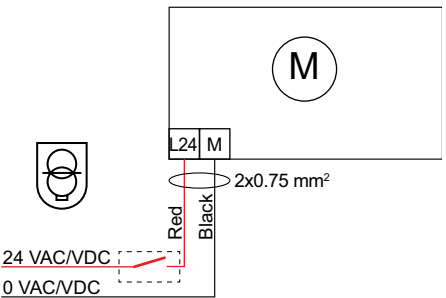
### Note!



## Connection diagram

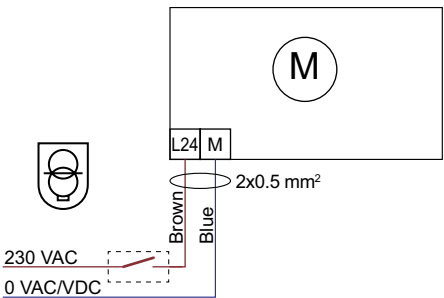
### 24 VAC/VDC

#### On-off



### 230 VAC

#### On-off

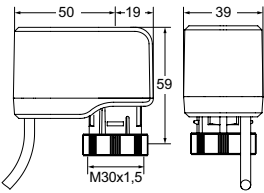


| Terminal | Description                                                |
|----------|------------------------------------------------------------|
| L24      | Power supply 24 VAC/VDC or 230 VAC                         |
| M        | Neutral for power supply 24 VAC/VDC or 230 VAC and signals |

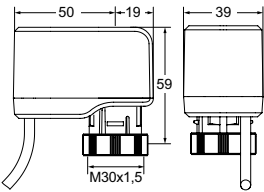


24 VAC/VDC operating only with safety transformer according to EN 61558-2-6.

Articles – TA-Lite 120, On-off



| 24 VAC/VDC       |               |              |
|------------------|---------------|--------------|
| Cable length [m] | EAN           | Article No   |
| PVC              |               |              |
| 0,5              |               | on request   |
| 2                | 5902276826719 | 322233-10012 |
| 5                | 5902276826726 | 322233-10013 |



| 230 VAC          |               |              |
|------------------|---------------|--------------|
| Cable length [m] | EAN           | Article No   |
| PVC              |               |              |
| 0,5              |               | on request   |
| 2                | 5902276826740 | 322233-20012 |
| 5                | 5902276826757 | 322233-20013 |

