

1. General Information

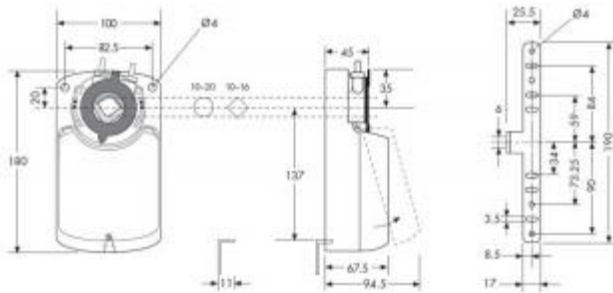
- DBT2416ma series modulating damper actuator series are designed specifically for applications into the HVAC market.
- DBT high quality damper actuators have been designed for use with air damper, butterfly valve, characterized ball valve and globe valve with the use of special adapter.



2. Product features

- 0(2)...10 VDC and 0(4)...20 mA proportional control
- Universal Spindle Clamp for easy direct mounting
- Anti-rotation bracket provided for stability
- Manual over ride by push button when required
- Adjustable angle of rotation
- Parallel connection up to 10 actuators
- 2 adjustable SPDT auxiliary switches when requested
- Power saving at end stops

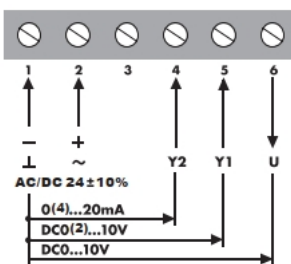
3. Actuator dimensions (mm)



4. Technical specification

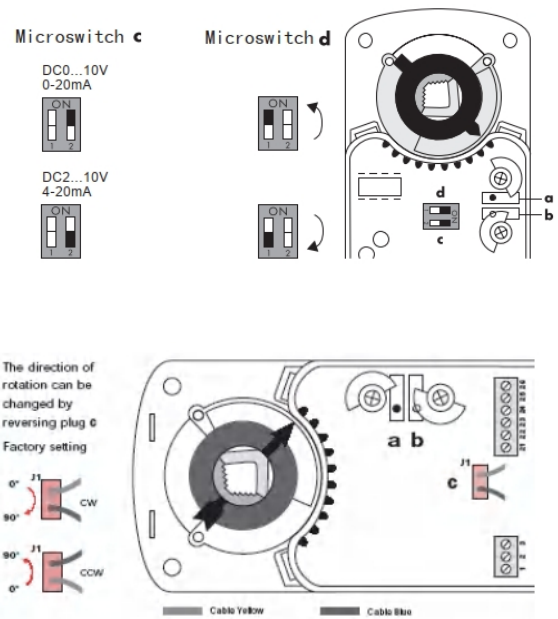
	DBT2416ma
Torque motor	16 Nm
Damper size	3 m ²
Power supply	AC/ DC24V
Frequency	50 / 60 Hz
Consumption operating	3.5 W
Consumption at the end stops	0.3 W
For wire sizing	6.5 VA
Auxiliary switched rating (Amp and Voltage)	3 (1.5) A / 230 V
Protection class	II (complete insulation)
Controls signal	0(2)...10 VDC
Angle of rotation	0 ... 90°
Angle of rotation limiting	5° ... 85° in 5° step
Weight	1.1 kg
Life cycle	60,000 rotation
Sound level	< 45 dB(A)
IP Protection class	IP54
Ambient temperature	-20°C ... +50°C
Ambient humidity	5 ... 95% RH
Storage temperature	-20°C ... +60°C
Maintenance	Maintenance free
Certification	CE

5. Wiring diagram

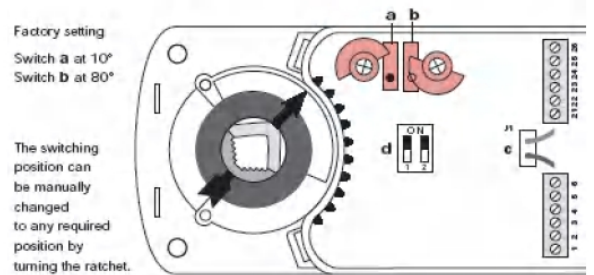


Auxiliary switch and feedback resistor

6. Selection of rotating direction



7. Auxiliary switch adjustment



8. Installation / mounting

