

FlowCon BB Actuators

FlowCon Electrical Actuators



SPECIFICATIONS

FlowCon BT000S / BT020S (previously BBTS1000 / BBTS1021):

Supply voltage: 22-26V AC or 24-32V DC
Type: Electrical, bi-directional motor

Power consumption: 6VA

Control signal: Digital 3-point floating or 2-position

Feedback: No Failsafe function: No

Auxiliary switches: BT000S: No

BT020S: Yes

Manual override: Yes (do not press clutch, when actuator is powered)

Position indicator: Yes

Operation time: 90-110 sec

Actuating force: 5.6 Nm at rated voltage

Angle of rotation: 0 to 90°, mechanically adjustable
Ambient temperature: -30°C to +50°C (-22°F to +122°F)
Humidity rating: 5..95% rH, no condensation
Protection: Standard: IP22 (NEMA 2)

Optional watertight bushings: IP54 (NEMA 3R)

CE conformity: Yes

Cable: BT000S: Not included: requires 3 wires x 0.80 mm² / 3 wires x AWG18

BT020S: Power supply cable not included: requires 3 wires x $0.80 \text{ mm}^2 / 3 \text{ wires x AWG18}$

Auxiliary cable fixed: 6 wires x 0.80 mm², 1 meter / 6 wires x AWG18, 3.3 ft

SPECIFICATIONS (...continued)

FlowCon BT200 / BT220 (previously BBTHV1200A / BBTHV1221A):

Supply voltage: 220-250V AC, 50/60 Hz
Type: Electrical, bi-directional motor

Power consumption: 7W @ 240V AC

Control signal: Digital 3-point floating or 2-position

Feedback: No
Failsafe function: No
Auxiliary switches: BT200: No

BT220: Yes

Manual override: Yes (do not press clutch, when actuator is powered)

Position indicator: Yes
Operation time: 20-30 sec

Actuating force: 5.6 Nm at rated voltage

Angle of rotation: 0 to 90°, mechanically adjustable
Ambient temperature: -30°C to +50°C (-22°F to +122°F)
Humidity rating: 5..95% rH, no condensation
Protection: Standard: IP22 (NEMA 2)

Optional watertight bushings: IP54 (NEMA 3R)

CE conformity: Yes

Cable: BT200: Not included: requires 3 wires x 0.80 mm² / 3 wires x AWG18

BT220: Power supply cable not included: requires 3 wires x 0.80 mm² / 3 wires x AWG18

Auxiliary cable fixed: 6 wires x 0.80 mm², 1 meter / 6 wires x AWG18, 3.3 ft

FlowCon BM000S / BM020S (previously BBMS2000 / BBMS2021):

Supply voltage: 22-26V AC or 28-32V DC
Type: Electrical, bi-directional motor

Power consumption: 6VA

Control signal: Analog 2-10V DC or 4-20mA

Feedback: No Failsafe function: No

Auxiliary switches: BM000S: No

BM020S: Yes

Manual override: Yes (do not press clutch, when actuator is powered)

Position indicator: Yes
Operation time: 90-110 sec

Actuating force: 5.6 Nm at rated voltage

Angle of rotation: 0 to 90°, mechanically adjustable
Ambient temperature: -30°C to +50°C (-22°F to +122°F)
Humidity rating: 5..95% rH, no condensation
Protection: Standard: IP22 (NEMA 2)

Optional watertight bushings: IP54 (NEMA 3R)

CE conformity: Yes

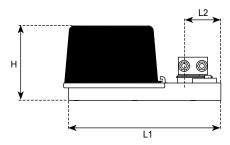
Cable: BM000S: Not included: requires 3 wires x 0.80 mm² / 3 wires x AWG18

BM020S: Power supply cable not included: requires 3 wires x 0.80 mm² / 3 wires x AWG18

Auxiliary cable fixed: 6 wires x 0.80 mm², 1 meter / 6 wires x AWG18, 3.3 ft

DIMENSIONS AND WEIGHT (NOMINAL)

Actuator	L1	L2	D (depth)	Н	Weight ⁵
	mm (in)	mm (in)	mm (in)	mm (in)	kgs. (lb)
BT000S	168 (6.61)	68.1 (1.50)	82.8 (3.26)	76.4 (3.01)	1.4 (3.1)
BT020S					
BT200					
BT220					
BM000S					
BM020S				94.5 (3.72)	



MODEL NUMBER SELECTION

Insert control type:
T=Digital 3-point floating or 2-position
M=Modulating 2-10V DC or 4-20mA

Insert supply voltage:
0=24V
2=220V

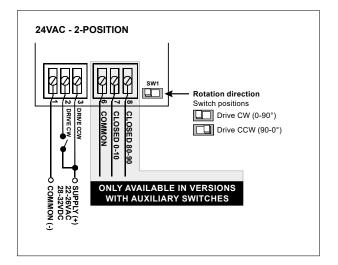
Insert auxiliary switch choice:
00=no auxiliary switches
20=two auxiliary switches
Insert speed:
Leave blank if 220 V (=20-30 sec)
S=slow (=90-110 sec) if 24V

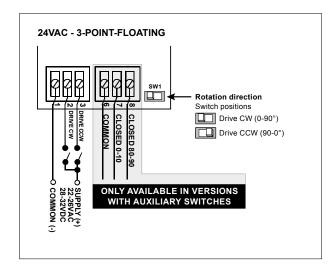
Example: BM000S=electrical actuator 24V modulating without auxiliary switches

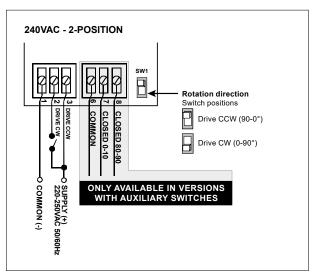
ACCESSORIES

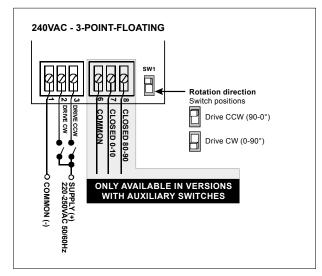
1C50006: Watertight bushing (for supply voltage wires)
 1C50007: Watertight bushing (for auxiliary switch wires)

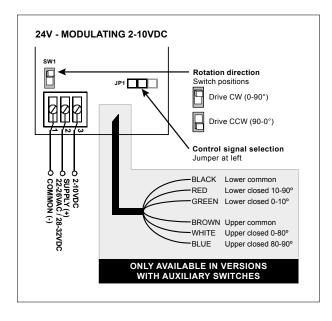
WIRING INSTRUCTION

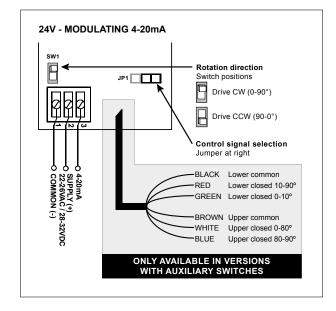












UPDATES

For latest updates please see www.flowcon.com

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