FlowCon SM Actuators

FlowCon Electrical Actuators

SPECIFICATIONS

FlowCon SM.0.0.0.3 (standard)

Supply voltage:	22-26V AC, 50/60 Hz or 28-32V DC
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	12VA
Control signal:	Analog 0(2)-10V DC or 0(4)-20mA and digital 3-point-floating or 2-position
Resolution:	1:1000 (0-10V analog) and 1:800 (2-10V analog)
Feedback:	Linear signal Auto (equal to analog control signal), 0-10V DC, 2-10V DC or 4-20mA
Control mode:	Linear flow, Equal percentage, Linear rotation or Linear signal
Failsafe function:	No
Manual override:	Yes
Position indicator:	No
Operation time:	SM.3-5: 190 sec (from closed to fully open valve) SM.6: 317 sec (from closed to fully open valve)
Ambient temperature:	-10°C to +50°C / +14°F to +122°F
Humidity rating:	5..95% rH, no condensation
Protection:	IP54 including upside-down mounting
CE conformity:	EN 60730, class II
Housing material:	UL94 V0-rated plastic
Programming:	Programming of all settings on interface with buttons and display
Cable:	Fixed, 5 wires x 0.80 mm^2, halogen free, 1 meter Fixed, 5 wires x AWG18, halogen free, 3.2 ft
Calibration:	Automatic at startup
Valve-actuator coupling:	Easy snap coupling
BACnet:	No

SPECIFICATIONS (...continued)

FlowCon SM.0.0.0.4

Supply voltage:	22-26V AC, 50/60 Hz or 28-32V DC
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	12VA (25VA max)
Control signal:	Analog 0(2)-10V DC or 0(4)-20mA and digital 3-point-floating or 2-position
Resolution:	1:1000 (0-10V analog) and 1:800 (2-10V analog)
Feedback:	Linear signal
	Auto (equal to analog control signal), 0-10V DC, 2-10V DC or 4-20mA
Control mode:	Linear flow, Equal percentage, Linear rotation or Linear signal
Failsafe function:	Yes
Manual override:	Yes
Position indicator:	No
Operation time:	SM.3-5: 190 sec (from closed to fully open valve)
	SM.6: 317 sec (from closed to fully open valve)
Ambient temperature:	-10°C to +50°C / +14°F to +122°F
Humidity rating:	5..95% rH, no condensation
Protection:	IP54 including upside-down mounting
CE conformity:	EN 60730, class II
Housing material:	UL94 V0-rated plastic
Programming:	Programming of all settings on interface with buttons and display
Cable:	Fixed, 5 wires x 0.80 mm^2, halogen free, 1 meter
	Fixed, 5 wires x AWG18, halogen free, 3.2 ft
Calibration:	Automatic at startup
Valve-actuator coupling:	Easy snap coupling
BACnet:	No

FlowCon SM.0.0.0.5

Supply voltage:	22-26V AC, 50/60 Hz or 28-32V DC
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	12VA
Control signal:	Analog 0(2)-10V DC or 0(4)-20mA and digital 3-point-floating or 2-position
Resolution:	1:1000 (0-10V analog) and 1:800 (2-10V analog)
Feedback:	Linear signal
	Auto (equal to analog control signal), 0-10V DC, 2-10V DC or 4-20mA
Control mode:	Linear flow, Equal percentage, Linear rotation or Linear signal
Failsafe function:	No
Manual override:	Yes
Position indicator:	No
Operation time:	SM.3-5: 190 sec (from closed to fully open valve)
	SM.6: 317 sec (from closed to fully open valve)
Ambient temperature:	-10°C to +50°C / +14°F to +122°F
Humidity rating:	5..95% rH, no condensation
Protection:	IP54 including upside-down mounting
CE conformity:	EN 60730, class II
Housing material:	UL94 V0-rated plastic
Programming:	Programming of all settings on interface with buttons and display or via BACnet
Cable:	2 groups:
- Group 1:	Fixed, 5 wires x 0.80 mm^2, halogen free, 1 meter
	Fixed, 5 wires x AWG18, halogen free, 3.2 ft
- Group 2:	Fixed, 3 wires x 0.80 mm^2, halogen free, 1 meter
	Fixed, 3 wires x AWG18, halogen free, 3.2 ft
Calibration:	Automatic at startup
Valve-actuator coupling:	Easy snap coupling
BACnet device profile:	BACnet Application Specific Controller (B-ASC) type server
BACnet protocol:	BACnet Master Slave/Token passing (MS/TP)
BACnet baud rates supported:	9600, 19200, 38400 and 76800
BACnet services (BIBBS) supported:	DS-RP-B, DS-WP-B, DM-DDB-B, DM-DOB-B and DM-DCC-B

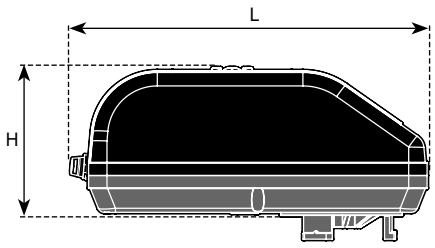
SPECIFICATIONS (...continued)

FlowCon SM.0.0.0.6

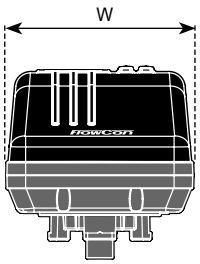
Supply voltage:	22-26V AC, 50/60 Hz or 28-32V DC
Type:	Electrical, Bi-directional synchronous motor
Power consumption:	12VA (25VA max)
Control signal:	Analog 0(2)-10V DC or 0(4)-20mA and digital 3-point-floating or 2-position
Resolution:	1:1000 (0-10V analog) and 1:800 (2-10V analog)
Feedback:	Linear signal
	Auto (equal to analog control signal), 0-10V DC, 2-10V DC or 4-20mA
Control mode:	Linear flow, Equal percentage, Linear rotation or Linear signal
Failsafe function:	Yes
Manual override:	Yes
Position indicator:	No
Operation time:	SM.3-5: 190 sec (from closed to fully open valve)
	SM.6: 317 sec (from closed to fully open valve)
Ambient temperature:	-10°C to +50°C / +14°F to +122°F
Humidity rating:	5..95% rH, no condensation
Protection:	IP54 including upside-down mounting
CE conformity:	EN 60730, class II
Housing material:	UL94 V0-rated plastic
Programming:	Programming of all settings on interface with buttons and display or via BACnet
Cable:	2 groups:
- Group 1:	Fixed, 5 wires x 0.80 mm^2, halogen free, 1 meter
	Fixed, 5 wires x AWG18, halogen free, 3.2 ft
- Group 2:	Fixed, 3 wires x 0.80 mm^2, halogen free, 1 meter
	Fixed, 3 wires x AWG18, halogen free, 3.2 ft
Calibration:	Automatic at startup
Valve-actuator coupling:	Easy snap coupling
BACnet device profile:	BACnet Application Specific Controller (B-ASC) type server
BACnet protocol:	BACnet Master Slave/Token passing (MS/TP)
BACnet baud rates supported:	9600, 19200, 38400 and 76800
BACnet services (BIBBS) supported:	DS-RP-B, DS-WP-B, DM-DDB-B, DM-DOB-B and DM-DCC-B

DIMENSIONS AND WEIGHT (NOMINAL)

Actuator	L mm (in)	W mm (in)	H mm (in)	Weight kg (lb)
SM.0.0.0.3	194 (7.64)	102 (4.02)	81 (3.19)	0.25 (0.55)
SM.0.0.0.4				0.30 (0.66)
SM.0.0.0.5				0.25 (0.55)
SM.0.0.0.6				0.30 (0.66)



FlowCon SM.0.0.0.3/4/5/6



FlowCon SM.0.0.0.3/4/5/6

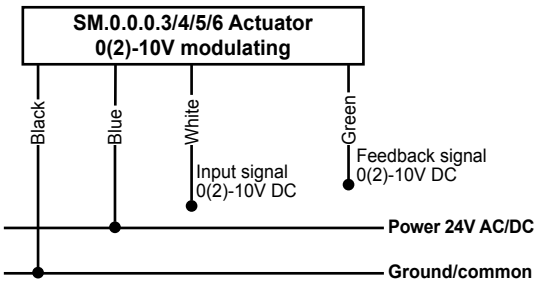
MODEL NUMBER SELECTION

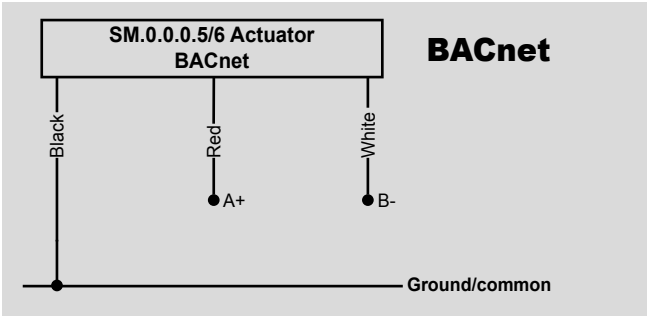
SM . 0 . 0 . 0 . ____

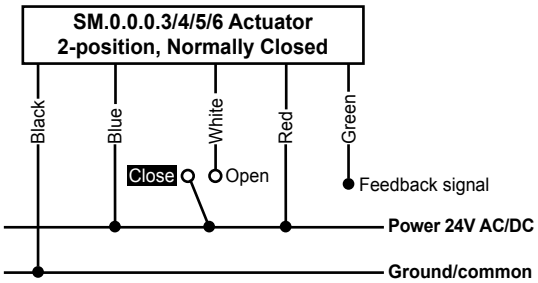
Insert type:
3=standard
4=standard and failsafe
5=BACnet
6=BACnet and failsafe

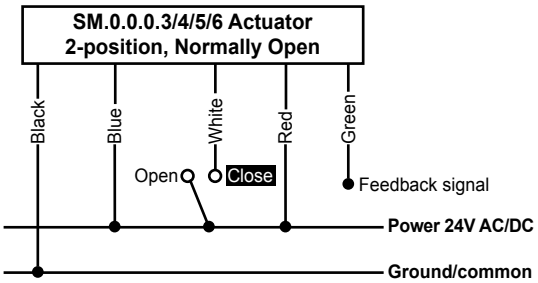
Example: SM.0.0.0.4=FlowCon SM standard actuator with failsafe.

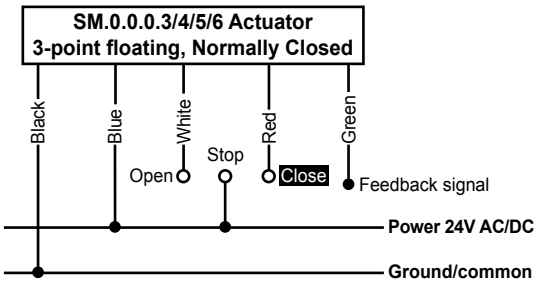
WIRING INSTRUCTION

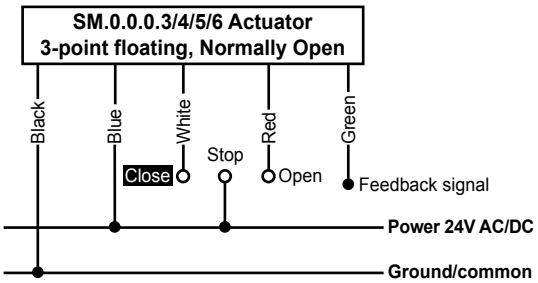












Note: If feedback signal is not required, leave green wire detached.

UPDATES

For latest updates please see www.flowcon.com

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