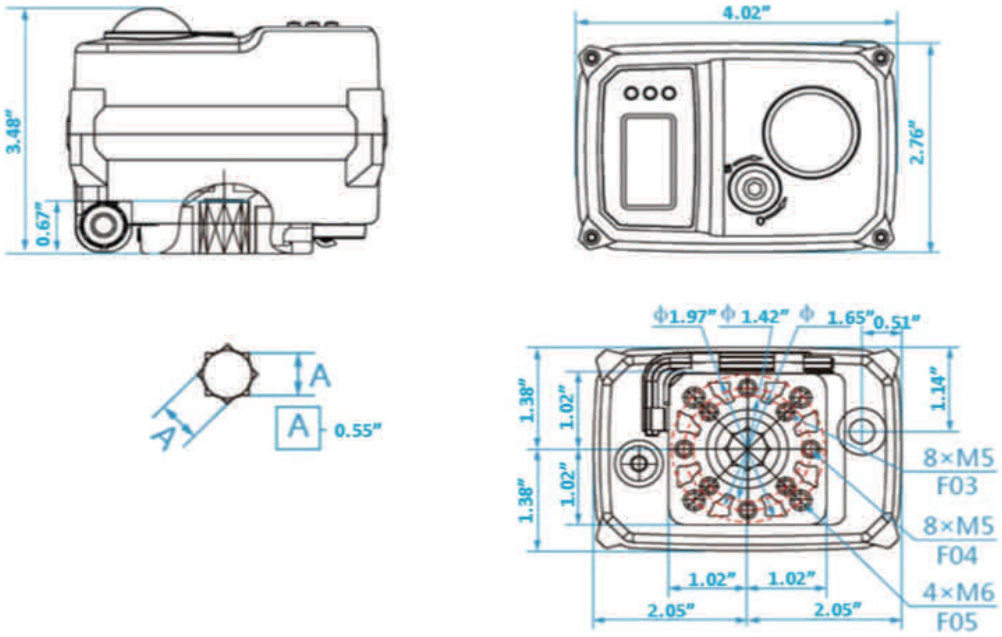
S20.26 SMART FAILSAFE MODULATING 133in.lbs

Model	S20.26 133in.lbs SMART FAILSAFE MODULATING ACTUATOR	
	High voltage	Low voltage
Rated Voltage	230V AC/DC	24V AC/DC
Voltage Range	AC 95-265V 50/60Hz, DC 100-300V	AC 18-26V 50/60Hz, DC22-32V
Consumption	9.6W run, 0.12W hold	9.6W run, 0.85W hold
Peak Current	35mA for 5ms AC230V; 75mA for 5ms DC110V	350mA for 5ms DC 24V
Fuse	1A	2A
Maximum Break Torque in.lbs	177	177
Run & Reseat Torque in.lbs	133	133
Manual operation	Yes, by hexagonal wrench (supplied in clip) when no power is being applied	
Control Signal input/ output	4-20mA [Factory options: 0-20mA, 0-5V, 1-5V, 0-10V, 2-10V]	
Run time	≈ 10 sec	≈ 10 sec
STANDARD FEATURES:		
Operating Frequency	100% Duty cycle, suitable for continuous running	
Position Sensing	No mechanical cams fitted; magnetic with digital sensing.	
Maximum Angle of Rotation	330° ±5°	
Position Indication (Visual)	2 color (red/ yellow) dome for local visual confirmation.	
End Position Indication	2 x Electronic relay	
Mounting Restriction	None, it can be mounted at any angle. Leave space for manual operation and electrical connection.	
ISO:5211	F03 & F05 (+ F04 which mounts at 45 degrees)	
Female Drive	0.55” (14mm) octagon x 0.67” (17mm) deep	
Ingress Protection	IP67, cover recommended if exposed to direct rain or sun.	
Max Media Temperature	≤ 176°F	
Ambient Temperature	-4°F to +140°F	
Non-operating Temperature	≤ -40°F to ≥176°F	
Ambient Humidity	5-95% RH non-condensing	
Explosion Proof	Actuator is not explosion proof and should not be placed in hazardous areas.	
Shock Resistance	≥300m/s^2	
Vibration	10 to 55Hz, 1.5mm double amplitude (product damage most likely if exceeded)	
Noise level	≈50dB	
Flame Retardant Level	V-0 rating based on UL-94 testing	
Certification	CE	
Maintenance	Maintenance free	
Cable Entry	Cable fitting provided, actuator pre-wired with approx. 20” flying lead	
Housing	Plastic (ABS) cover	
Weight	Standard ABS housing 1.37lbs	

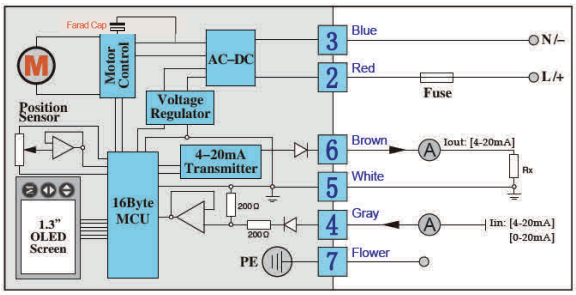
DIMENSIONS: (inch) S20.26 133in.lbs SMART FAILSAFE MODULATING ACTUATOR



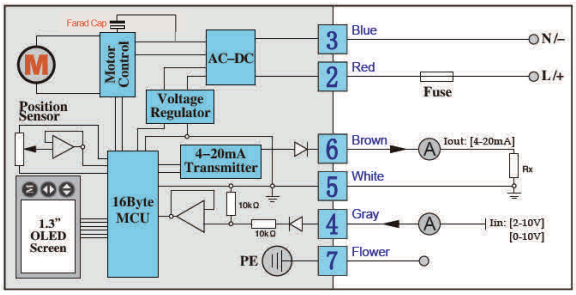
PART NUMBERS S20.26 133in.lbs SMART FAILSAFE MODULATING ACTUATOR

Model	Voltage	Housing	Heater	Control
S20.26-	Multi-voltage:	P Plastic (ABS)	H 2W/24kΩ	P 4-20mA Input & output
	5 95-265V AC/DC			U 0-10V Input & output
	6 24V AC/DC			

Basiks-S20.26 MODULATING WIRING 'P'



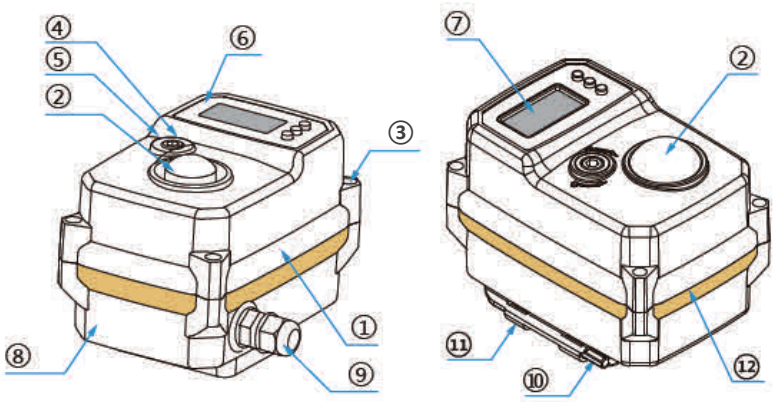
Basiks-S20.26 MODULATING WIRING 'U'



	NOTES (actuators *without* alarm function)
1	Terminals 2 & 3 are the power supply, ensure correct polarity when connecting, and that the voltage to be applied is within the range of the actuator that it is being applied to. Supply Live / +ve on 2, Neutral/ -ve on 3)
2	Terminals 4, 5 & 6 are the control signal input & output, ensure correct polarity when connecting (+ve on 4 & 6, -ve on 5)
3	Terminal 4 is the control signal input, input impedance is shown on each relevant diagram
4	Terminal 6 is the output feedback, and is in the same form as the input signal.
5	For Rx, ensure that a resistor with a low TCR (Temperature Coefficient of Resistance) is selected. Vout = Iout x Rx Where Vout ≤8V, Rx ≤ 400Ω Actuator manufacturer recommends Vout ≤5V, Rx = 250Ω (0.25W)
6	Local push button controls can be used to set the action on loss of control signal [move to open, move to closed or stay put/ freeze] for 1-5V, 2-10V and 4-10mA control signals only.
7	Do not supply power supply voltage to the control module connections as it will
8	Contactor loading capacity 0.1A for 24VDC, 50mA for 230VAC.

NOTE: ACTUATORS SHOULD HAVE DEDICATED POWER AND CONTROL

MATERIALS S20.26 133in.lbs SMART FAILSAFE MODULATING ACTUATOR

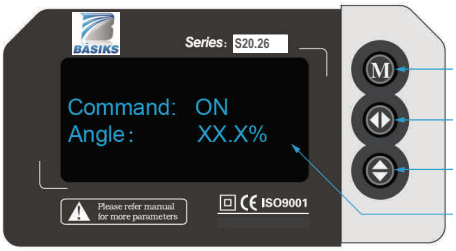


No	PART	MATERIAL
1	Housing	Aluminium base, ABS cover
2	Indicator	Clear plastic
3	Cover screws	304SS
4	Override drive	304SS
5	Seal	NBR
6	Screen cover	Rubber
7	Screen	OLED
8	ID Label	PVC
9	Connector	Plastic
10	Allen key	Tool steel
11	Allen key clip	ABS
12	Cover seal	NBR

LOCAL CONTROLS S20.26 133in.lbs SMART FAILSAFE MODULATING ACTUATOR

Overview: All Basiks smart electric actuators have local controls as standard. An OLED screen and 3 positive push buttons create a user friendly interface for local control and a variety of adjustments. The screen is easy to read, with bright blue letters on a black background, and the use of the push buttons to adjust settings is intuitive. The local controls require power to be applied to the actuator to operate.

Local controls:



M button is used to enter and switch menus (Hold for three seconds).
K2 is used in conjunction with K3 for adjusting the actuator settings.
K3 is used for changing settings, navigating menus, exiting and saving.
OLED Screen with clear blue letters against a black background.

Standard local control function options:

MANUAL CONTROL The Basiks smart actuator can be opened and closed using the K2 and K3 buttons (hold down K3 for three seconds to access).

DEAD BAND Adjusts the accuracy and sensitivity of the actuator.

SPEED CONTROL The working time can be increased either by setting a step timer (run/stop/run/stop), or continuous running by adjusting the PWM.

CLOSED POSITION The close position of the actuator can be adjusted by using the K2 and K3 buttons (zero adjustment).

REVERSE ACTING Actuator closes when an open signal is received, and vice versa.

EXTEND ANGLE Adjust the open position by adjusting the span of the actuator. Typically used to set 0-180 degree operation.

SIGNAL LOSS Sets one of three positions the actuator takes at loss of signal control.

CURRENT ADJUST Adjust the output current of the actuator.

FAILSAFE ACTION Selects the actuator position when power is cut.

CAPACITOR CHARGE Sets the value for how much the capacitor will be charged before the actuator can be used.