

Base Actuator Specifications

Sizes		1/2" - 2"		
Actuator		B20	B24	B29
Model		Open/Close	Open/Close Failsafe	High-Speed Open/Close
Voltage (AC (1ph) or DC)		DC 12, 24V; AC 24, 110, 230V	DC 24V, AC 95-265	DC 24V
Working Time - Sec. 0-90° (No Load) ±10%		10s	15s	1s
Maximum Run / Torque Nm / in./lbs.		20/177	15/133	15/133
Maximum Break / Torque Nm / in./lbs.		20/177	20/177	15/133
On/Off Duty Rating %		75	75	75
IP Rating - IEC 60529		IP67	IP67	IP67
Working Angle Standard		90°	90°	90°
Temperature Range (F)		-4° to +140°	-4° to +140°	-4° to +140°
Motor Switch		2 x SPDT	2 x SPDT	2 x SPDT
Volt Free End of Travel Confirmation		2 x SPDT	2 x SPDT	2 x SPDT
Anti-Condensation Heater (W)		5W	2W	2W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	1A	N/A	N/A
	24VDC	.5A	1.5A	5A
	24V/1ph	.45A	NA	N/A
	110V/1ph	.135A	.18A	N/A
	240V/1PH	.06A	.09A	N/A
Weight (lbs)		1.37	1.37	1.37

Sizes		3" and 4"		
Actuator		B80	B84	B89
Model		Open/Close	Open/Close Failsafe	High-Speed Open/Close
Voltage (AC (1ph) or DC)		DC 12, 24V; AC 24, 110, 230V	DC 24V, AC 24, 95-265V	DC 24V, AC 24, 95-265V
Working Time - Sec. 0-90° (No Load) ±10%		20s	10s	3-5s
Maximum Run / Torque Nm / in./lbs.		80 / 708	80 / 708	80 / 708
Maximum Break / Torque Nm / in./lbs.		90 / 796	90 / 796	90 / 796
On/Off Duty Rating %		75	75	75
IP Rating - IEC 60529		IP67	IP67	IP67
Working Angle Standard		90°	90°	90°
Temperature Range (F)		-4° to +140°	-4° to +140°	-4° to +140°
Motor Switch		2 x SPDT	2 x SPDT	2 x SPDT
Volt Free End of Travel Confirmation		2 x SPDT	2 x SPDT	2 x SPDT
Anti-Condensation Heater (W)		5W	5W	5W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	4.5A	N/A	N/A
	24VDC	2.5A	5A	5A
	24V/1ph	2.5A	5A	5A
	110V/1ph	0.6A	1.04A	1.04A
	240V/1PH	.3A	.52A	.52A
Weight (lbs)		4.85	4.85	4.85

NOTE: Consult factory for 12 volt options.



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Smart Actuator Specifications 1/2" - 2"

Sizes	1/2" and 2"		
Actuator	S20.10	S20.14	S20.19
Model	Smart Screen High-Speed Open/Close	Smart Screen Failsafe Open/Close	Smart Screen High-Speed Open/Close
Voltage (AC (1ph) or DC)	24V AC/DC, 95-265 AC/DC	24V AC/DC, 95-265 AC/DC	DC 24V
Working Time - Sec. 0-90° (No Load) ±10%	10s	15s	1s
Maximum Run / Torque Nm / in./lbs.	20/177	15/133	15/133
Maximum Break / Torque Nm / in./lbs.	20/177	20/177	15/133
On/Off Duty Rating %	75	75	75
IP Rating - IEC 60529	IP67	IP67	IP67
Working Angle Standard	90°	90°	90°
Temperature Range (F)	-4° to +140°	-4° to +140°	-4° to +140°
Motor Switch	Digital Sensing	Digital Sensing	Digital Sensing
Volt Free End of Travel Confirmation	Digital Sensing	Digital Sensing	Digital Sensing
Anti-Condensation Heater (W)	2W	2W	2W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	N/A	N/A
	24VDC	.35A	.35A
	24V/1ph	.35A	.35A
	110V/1ph	.075A	.075A
	240V/1PH	.035A	.035A
Weight (lbs)	1.37	1.37	1.37

Sizes	1/2" and 2"		
Actuator	S20.25	S20.26	S20.29
Model	Smart Screen Modulating	Smart Screen Failsafe Modulating	Smart Screen High-Speed Modulating
Voltage (AC (1ph) or DC)	DC 12, AC/DC 24, 95-265 AC	24V AC/DC, 95-265 AC	24V DC
Working Time - Sec. 0-90° (No Load) ±10%	10s	15s	1s
Maximum Run / Torque Nm / in./lbs.	20/177	15/133	15/133
Maximum Break / Torque Nm / in./lbs.	20/177	20/177	15/133
On/Off Duty Rating %	100	100	100
IP Rating - IEC 60529	IP67	IP67	IP67
Working Angle Standard	90°	90°	90°
Temperature Range (F)	-4° to +140°	-4° to +140°	-4° to +140°
Motor Switch	Digital Sensing	Digital Sensing	Digital Sensing
Volt Free End of Travel Confirmation	Digital Sensing	Digital Sensing	Digital Sensing
Anti-Condensation Heater (W)	2W	2W	2W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	.35A	N/A
	24VDC	.35A	.35A
	24V/1ph	.35A	.35A
	110V/1ph	.075A	.075A
	240V/1PH	.035A	.035A
Weight (lbs)	1.37	1.37	1.37

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Smart Actuator Specifications 3" & 4"

Sizes	3" and 4"		
	S80.10	S80.14	S80.25
Actuator	Smart Screen Open/Close	Smart Screen Failsafe Open/Close	Smart Screen Modulating
Model	Smart Screen Open/Close	Smart Screen Failsafe Open/Close	Smart Screen Modulating
Voltage (AC (1ph) or DC)	24V AC/DC, 95-265 AC/DC	24V AC/DC, 95-265 AC/DC	DC 24V
Working Time - Sec. 0-90° (No Load) ±10%	10s	12s	10s
Maximum Run / Torque Nm / in./lbs.	80 / 708	80 / 708	80 / 708
Maximum Break / Torque Nm / in./lbs.	90 / 796	90 / 796	90 / 796
On/Off Duty Rating %	75	75	100
IP Rating - IEC 60529	IP67	IP67	IP67
Working Angle Standard	90°	90°	90°
Temperature Range (F)	-4° to +140°	-4° to +140°	-4° to +140°
Motor Switch	Digital Sensing	Digital Sensing	Digital Sensing
Volt Free End of Travel Confirmation	Digital Sensing	Digital Sensing	Digital Sensing
Anti-Condensation Heater (W)	5W	5W	5W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	4.5A	4.5A
	24VDC	2.5A	2.2A
	24V/1ph	2.5A	2.2A
	110V/1ph	.52A	0.52A
	240V/1PH	0.26A	0.26A
Weight (lbs)	4.85	4.85	4.85

Sizes	3" and 4"	
	S80.26	S80.29
Actuator	Smart Screen Failsafe Modulating	Smart Screen High-Speed Modulating
Model	Smart Screen Failsafe Modulating	Smart Screen High-Speed Modulating
Voltage (AC (1ph) or DC)	AC/DC 24; AC 95-265V	AC/DC 24; AC 95-265V
Working Time - Sec. 0-90° (No Load) ±10%	12s	5s
Maximum Run / Torque Nm / in./lbs.	80 / 708	80 / 708
Maximum Break / Torque Nm / in./lbs.	90 / 796	90 / 796
On/Off Duty Rating %	100	100
IP Rating - IEC 60529	IP67	IP67
Working Angle Standard	90°	90°
Temperature Range (F)	-4° to +140°	-4° to +140°
Motor Switch	Digital Sensing	Digital Sensing
Volt Free End of Travel Confirmation	Digital Sensing	Digital Sensing
Anti-Condensation Heater (W)	5W	5W
Current Full Load: INRUSH CURRENT IS 3X THE STATED LOAD	12VDC	9.0A
	24VDC	4.5A
	24V/1ph	4.5A
	110V/1ph	1.10A
	240V/1PH	0.52A
Weight (lbs)	4.85	4.85

NOTE: Consult factory for 12 volt options.

All S60 have the capacity to accept both 4-20mA and 0-10V signal by changing wiring configuration.



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EBT	B20 - 1PHB	050	EP	S	PV
BASIKS Model Valve	<p>Actuator 1/2" - 2"</p> <p>Base B20-1PHB, (AC 230V) B20-2PHB, (AC110V) B20-3PHB, (AC 24V) B20-4PHB, (DC 24V) B24-5PHB, (AC 95-265V) B24-6PHB, (DC 24V) B29-4PHB, (DC 24V)</p> <p>Smart S20.10-5PHE, (95-265V AC/DC) S20.10-6PHE, (24V AC/DC) S20.14-5PHE, (95-265V AC/DC) S20.14-6PHE, (24V AC/DC) S20.19-5PHE, (DC 24V)</p> <p>Smart w/Modulation S20.25-5PHP, (95-265V AC/DC)² S20.25-5PHU, (95-265V AC/DC)¹ S20.25-6PHP, (24V AC/DC)² S20.25-6PHU, (24V AC/DC)¹ S20.26-5PHP, (95-265V AC/DC)² S20.26-5PHU, (95-265V AC/DC)¹ S20.26-6PHP, (24V AC/DC)² S20.26-6PHU, (24V AC/DC)¹ S20.29-6PHP, (24V AC/DC)² S20.29-6PHU, (24V AC/DC)¹</p> <p>3" + 4" Base B80-1PHB, (AC 230V) B80-2PHB, (AC110V) B80-3PHB, (AC 24V) B80-4PHB, (DC 24V) B84-5PHB, (24V AC/DC) B84-6PHB, (95-265V AC/DC) B89-6PHB, (24V AC/DC) B89-5PHB-17, (95-265V AC/DC)</p> <p>Smart S80.10-5PHE, (95-256V AC/DC) S80.10-6PHE, (24V AC/DC) S80.14-5PHE, (95-256V AC/DC) S80.14-6PHE, (24V AC/DC)</p> <p>Smart w/Modulation S80.25-5PHP, (95-256V AC/DC)³ S80.25-6PHP, (24V AC/DC)³ S80.26-5PHP, (95-256V AC/DC)³ S80.26-6PHP, (24V AC/DC)³ S80.29-5PHP, (95-256V AC/DC) S80.29-6PHP, (24V AC/DC)³</p>	<p>Valve Size 050 - 1/2" ANSI/ NPT 075 - 3/4" 100 - 1" 150 - 1 1/2" 200 - 2" 300 - 3" 400 - 4" 050D -20mm DIN/BSP 075D -25mm 100D - 32mm 125D - 40mm 150D - 50mm 200D - 63mm 300D - 90mm 400D - 110mm 050J - 22mm JIS/BSP 075J - 26mm 100J - 32mm 125J - 38mm 150J - 48mm 200J - 60mm 300J - 89mm 400J - 114mm</p>	<p>Seal Material EP- EPDM V-Viton FKM</p>	<p>Connection S- Socket T- Threaded</p>	<p>Body Material PV - PVC CP - CPVC</p>



Modulation:

¹ 0-10V

² 4-20mA

³ 0-10V or 4-20mA



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