



QUARTER TURN ELECTRIC ACTUATOR

AVA-S6025 SMART MODULATING 60Nm



Model: AVA-S6025 60Nm SMART MODULATING ELECTRIC ACTUATOR 

	AC	AC/DC	DC	DC
Rated Voltage	AC230V	AC/DC 24V	24VDC	12VDC
Voltage Range	AC 95-265V/DC100-300V	AC18-26/DC22-32V	DC22-32V	DC11-15V
Consumption	12W run, 2.1W hold	30W run, 3.9W hold	28W run, 2.10W hold	28W run, 2.10W hold
Peak current	0.26A @ 5ms 230V	2.5A @ 5ms 24VDC	2.5A for 5ms 24VDC	4.5A for 5ms
Fuse	2A	5A	5A	10A
Maximum Break Torque Nm	60			60
Run & Reseat Torque Nm	60			60
Manual operation	Yes, by hexagonal wrench (supplied in clip) when no power. Local control via touch buttons under power.			
Run time	≈ 10 sec			≈ 10 secs

STANDARD FEATURES:

Operating frequency	AC not continuous, 75% duty cycle but recommend allowing ≥1 min between cycles. DC is continuous.
Position confirmation	Mechanically driven dome style visual 2 colour indicator
Mounting restriction	None, can be mounted at any angle. Leave room for space to operate manually, and for electrical connection
End Position indication	Micro-switches operated by adjustable internal cams , set slightly ahead of the final motor stop position.
ISO:5211	F05/07 x 17mm Octagon x 21mm deep
Working Angle	Factory set at 90° ±2°, maximum angle of rotation 110° ±2°
Control Options	4-20ma, 0-20mA, 0-5V, 1-5V, 0-10V and 2-10V
Ingress protection	IP67
Max media temp	>+ 80C
Ambient temp	-20 to +80C
Non-operating temp	≤ -40C to ≥80C
Ambient humidity	5-95% RH non-condensing
Explosion proof	No, prohibited. Do not use in hazardous areas
Housing	ABS
Weight	2.2kg



Success results from our continual pursuit of perfection, details therefore subject to change in the interests of product development and improvement.

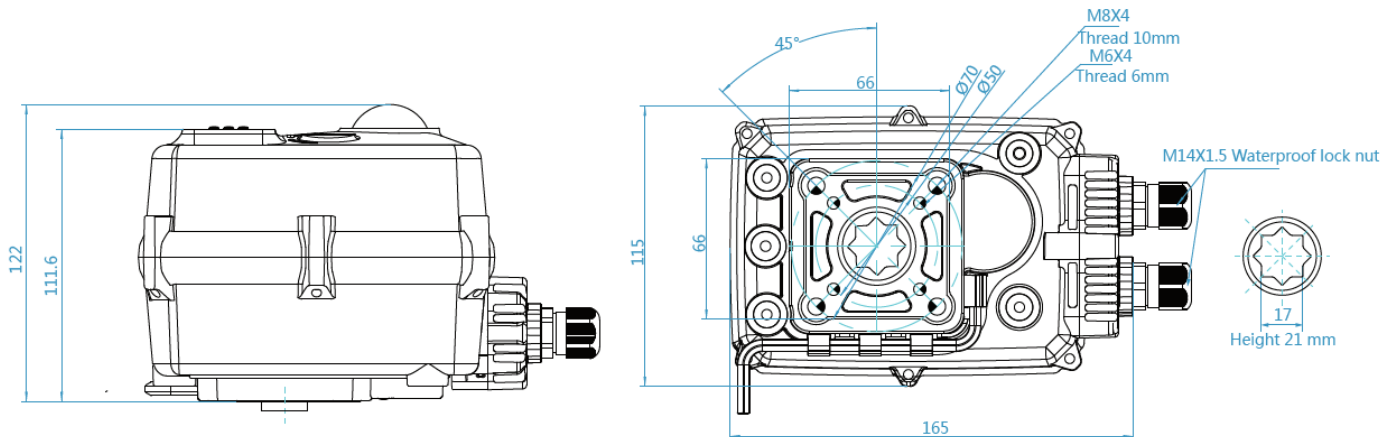
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Dimensions: (mm)

AVA-S6010 60Nm SMART ON-OFF ELECTRIC ACTUATOR

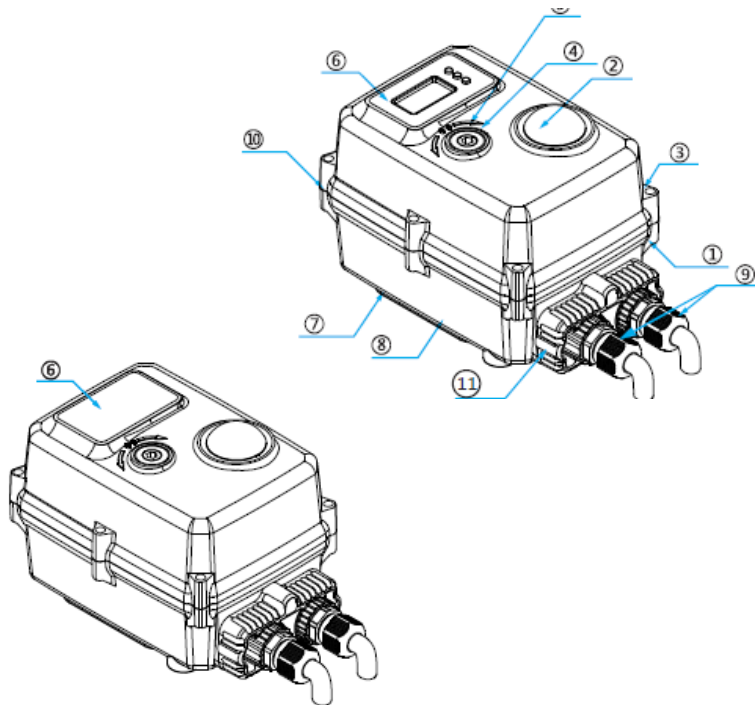


Dimension 【Female octagonal】



Materials:

AVA-S6010 60Nm SMART ON-OFF ELECTRIC ACTUATOR



No	PART	MATERIAL
1	Housing	ABS
2	Indicator	Transparent AS
3	Cover screws	304SS
4	Override drive	304SS
5	Seal	NBR
6	Output drive	SS304
7	Seal	NBR
8	Connector	Plastic
9	Cover seal	NBR
10	Seal	NBR
11	Label	PVC
12	Allen key	Tool steel
13	Terminal box	Heatproof ABS
14	Screen	OLED

Part Numbers:

AVA-S6010 60Nm SMART ON-OFF ELECTRIC ACTUATOR



Model	Voltage	Housing	Heater	Control of Modulating function
AVA-6010-	5 AC 95-265V	A ABS	0 None	E SPDT. Switchable +ve/ live Volt free end of travel confirmation
	6 DC 24V		H 5W/24kΩ	F SPDT. Switchable +ve/ live Relay position confirmation and alarm
				G SPST. Switchable +ve/ live Relay position confirmation and alarm

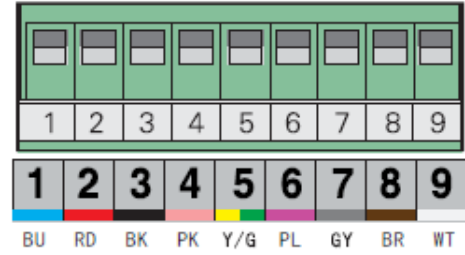
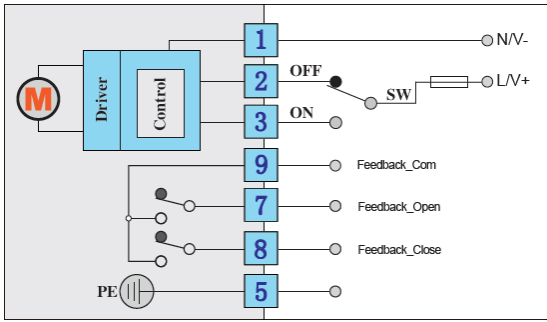
NOTE: UK STANDARD STOCK IS WITH WIRING 'E', ANY OTHERS ARE FACTORY OPTIONS. DETAILS AVAILABLE ON REQUEST.



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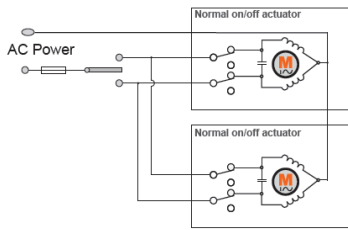
SPDT Wiring Type 'E'



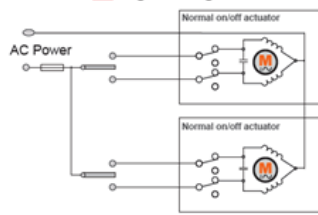
Volt free aux contacts

*Call for additional wiring diagrams, factory lead time

✗ Error wiring

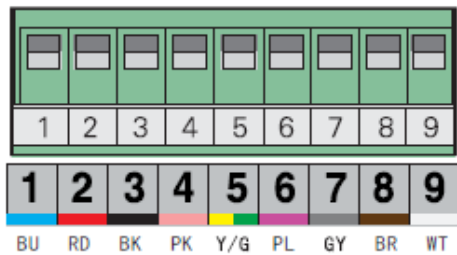
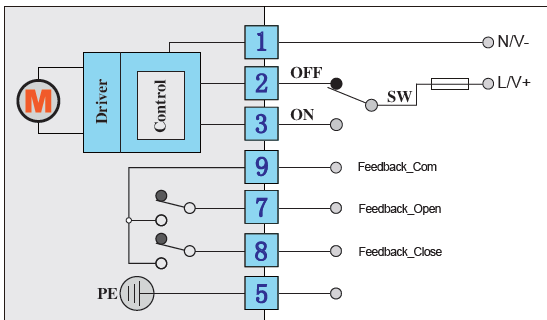


✓ Right wiring



For actuators in parallel.

SPDT Wiring Type 'E'



Volt free aux contacts



- M Key: to switch menus
- K2 Key: to switch Flash Item or adjust values
- K3 Key: to modulate numerical value
- Screen 1.3"OLED, Blue word against black background, 128X64

Please ask for separate user guide document detailing screen by screen options, specific to actuator function.