

Available with actuator function: POWER OPEN - POWER CLOSE, FAILSAFE, MODULATING, FAILSAFE MODULATING



#### Overview

The VB3350 multi-voltage electric valve actuator from the European electric actuator manufacturer Valbia offers an impressive list of standard features that include multi-voltage capability, protection against damage from over-torque or condensation, and emergency hand operation facility.

Available modulating on request with either 4-20mA or 0-10V input and output, with factory fitted internal positioning system.

Available failsafe on request (except 12V version) with factory fitted internally installed battery back-up system.

VB350 VALBIA Electric Actuator Specifica	tions					
Voltage range / Duty rating	Low voltage version	12V AC (1ph) or DC / 50%				
		24V AC (1ph) or DC / 75%				
	High voltage version	100-240V AC (1ph) / 75%				
Operating time (0-90° no load)		50 seconds				
Maximum break torque		3098lb.ins (350Nm)				
IP Rating (IEC 60529)		Similar to NEMA 4X (IP67)				
Working angle Standard (on request)		90° (180° & 270° option)				
Mounting ISO:5211 x DIN 3337		F07 & F010 x 22 (std)				
Motor switches		2 x SPDT micro switches				
End of travel confirmation (volt free)		2 x SPDT micro switches				
Heater		Yes				
Ambient temperature range		-4 to +131°F (-20° to +55°C)				
Electrical connections		PG11 x 2				
Weight		13.2lbs (6.0 kg)				
VB350 Consumption						
High Voltage Version	Nominal Voltage	100-240V AC (1 ph 50/60Hz)				
	Current	0.4 - 0.75A				
	Power	75-96 VA				
High Voltage Version	Nominal Voltage	12V AC/DC / 24V AC/DC				
	Current 12V / 24V	3.65 - 4.75A / 1.65 - 1.95A				
	Power	44 - 57A / 40 - 47VA				
Frequency		50/60Hz				

#### How this VB350 electric 1/4 turn valve actuator works (on-off)

Electrically operated valves are driven by an electric actuator containing a motor and gearbox. On receipt of a continuous voltage signal (not pulse) the motor runs and, via a gearbox in the electric actuator, rotates the valve stem. The motor stops at the desired position (usually 0° or 90°) by an internal cam striking a micro-switch. The valve actuator remains in this position, with the voltage still applied continuously, until switched and a continuous voltage reversing signal (not pulse) is applied, which runs the motor in the opposite direction, reversing the rotation until a separate internal cam strikes a separate micro-switch and stop the motor. The VB350 actuator is designed to have the external power continuously applied, and power must not be switched off when end of travel is achieved.





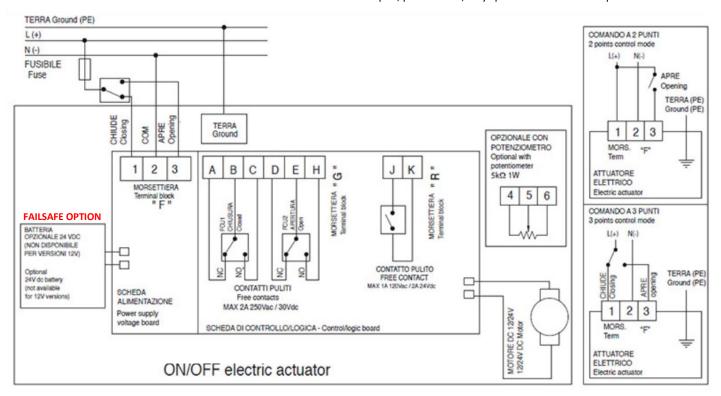
# Valbia Plastic 3098in.lbs Electric Actuator

Type: VB350

Available with actuator function: POWER OPEN - POWER CLOSE, FAILSAFE, MODULATING, FAILSAFE MODULATING

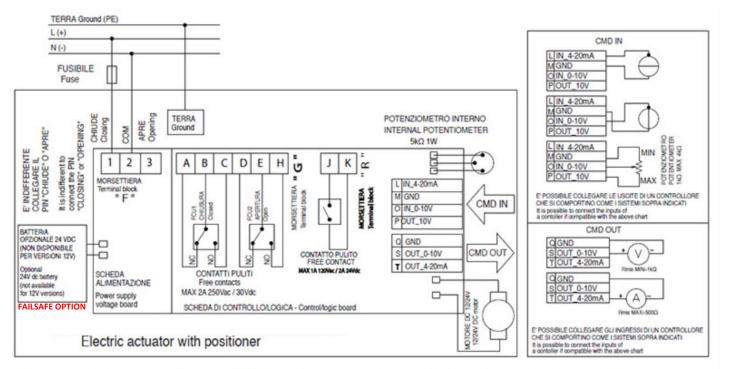
### VB-350 ON - OFF ELECTRIC ACTUATOR Power op

Power open, power close, stays put on loss of external power.



## **VB-350 MODULATING ELECTRIC ACTUATOR**

Proportional control, stays put on loss of external power.



Evitare che il segnale di massa/neutro dell'alimentazione COM collegato al morsetto "2" della morsettiera "F", non sia allo stesso potenziale elettrico della massa del segnale di comando "GND" della morsettiera "CDM IN" o della massa dell'uscita di segnalazione "GND" della morsettiera "CDM OUT". The power supply COM signal ( pin "2" terminal block "F") must not share the same electrical command ground signal ( pin "GND" terminal block "CDM IN") or feedback ground signal (pin "GND" terminal block "CDM OUT").



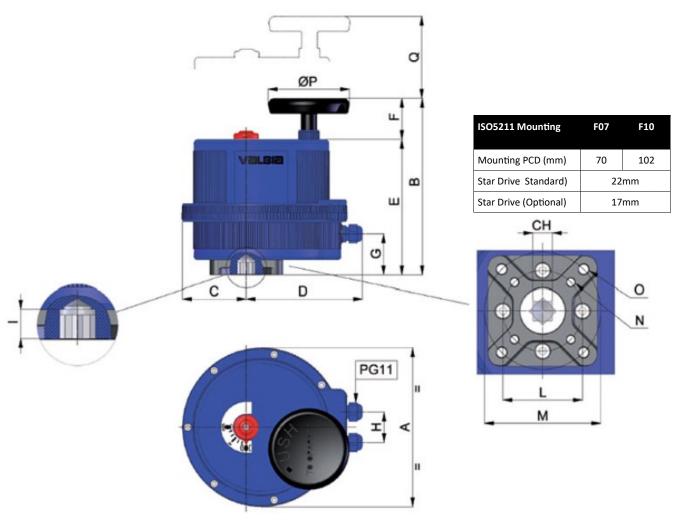


## Valbia Plastic 3098in.lbs Electric Actuator

Type: VB350

Available with actuator function: POWER OPEN - POWER CLOSE, FAILSAFE, MODULATING, FAILSAFE MODULATING

### **VB350** Dimensions



Dimensions (mm):															
СН	А	В	С	D	E	F	G	Н	Ι	L	М	N	0	Р	Q
22	222	233.5	77	170	182	51.5	54	40	24	70	102	M8x20	M10x20	110	105

