**ELECTRIC ACTUATORS SERIES 85 (VB030 - VB350) WITH POSITIONER**

**5.0 Specifications and technical information (Tab.1-2)**

**5.1 Mechanical data**

- **Nominal voltage**: 24Vac/dc, 12Vac/dc
- **Nominal current**: 1A @ 250Vac - 1A @ 30 Vdc (resistive load)
- **Nominal power**: 1A @ 250Vac - 1A @ 30 Vdc (resistive load)
- **Power consumption**: 1A @ 250Vac - 1A @ 30 Vdc (resistive load)
- **Torque**: 2.5 Nm
- **Temperature range**: -20 °C ÷ +55 °C
- **Humidity**: 50/60%
- **Operating media**: air, non-conductive, not aggressive
- **Casing**: stainless steel 316
- **Enclosure**: degree of protection IP65

**5.2 Power supply and current information (Tab.1-2)**

- **Power supply**: 24Vac/dc
- **Current flow**: 1A @ 250Vac - 1A @ 30 Vdc (resistive load)

**5.3 Electrical connector**

- **Jumper connector**: for 12V ac/dc models (5 pin)
- **Terminal block**: for 12V ac/dc models (5 pin)
- **Wire gauge**: 14-16 AWG

**5.4 Panel connections**

- **Panel connections**: 2 x 3-pin terminal block
- **Wire gauge**: 14-16 AWG

**6.0 Manual override**

- **Manual override**: on the control board
- **Function**: to override the actuator operation
- **Operation**: by pushing the manual override button

**7.0 Manual override**

- **Manual override**: on the control board
- **Function**: to override the actuator operation
- **Operation**: by pushing the manual override button

**8.0 Fail-Safe Operation with battery backup (optional)**

- **Battery**: optional (NiMh technology)
- **Voltage**: 24Vdc
- **Capacity**: 5 Ah
- **Backup time**: up to 20 hours

**9.0 Servo drive**

- **Servo drive**: built-in
- **Function**: to provide precise control
- **Operation**: by adjusting the input signal

**10.0 Electronic control**

- **Control board**: built-in
- **Function**: to provide precise control
- **Operation**: by adjusting the input signal

**11.0 Disposal of the electrical actuators at the end of their life cycle**

- **Disposal**: according to the directives of the European Union
- **Waste disposal**: separate waste collection
- **Recycling**: through the authorized recycling centers

**12.0 Accessories**

- **Accessories**: available on request
- **Function**: to extend the actuator lifespan
- **Operation**: by adding the appropriate accessories