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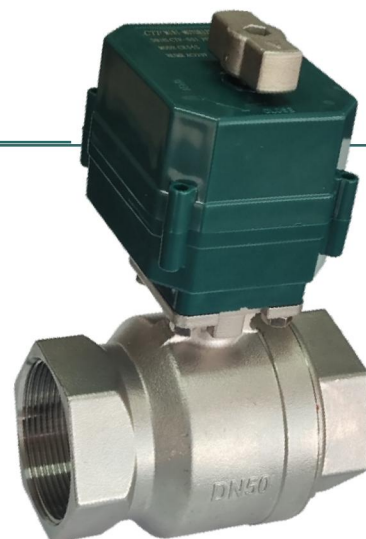
MOTORIZED BALL VALVE TYPE CF

GENERAL CHARACTERISTICS

Motorized ball valve,

Seal	PTFE
Actuator	POM IP65 (housing)
Operating temperature	Up to 100°C
Maximum operating pressure	16 bar
Closing time	Less than 12 seconds
Position indicator	Located on top of the actuator. When the arrow points to "Open", the valve is open; when it points to "Close", the valve is closed (Photo 1).
Manual opening / closing	The actuator operates automatically (electrically). In the event of a power failure the valve can also be opened and closed manually. THE ACTUATOR MUST NOT BE ENERGIZED during manual operation. Press and hold the brass release pin at the bottom of the actuator while turning the position indicator to the open position with an 8 mm hex key. Pull the release pin back out to return to automatic mode.

N.C.



IMPORTANT NOTES:

- The actuator must not be energized when switching to manual mode.
- Do not turn the valve position indicator unless the release pin is pressed.
- Before energizing the actuator, pull the release pin back to the automatic position to prevent damage.

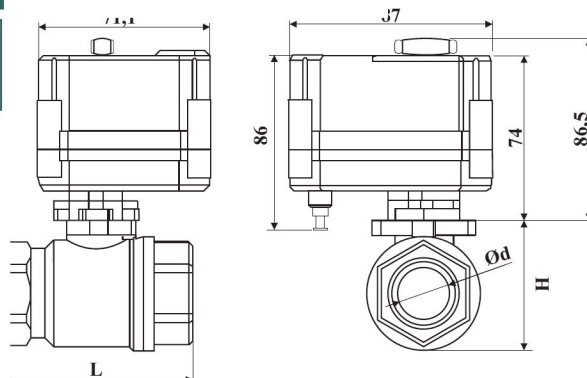
TECHNICAL SPECIFICATIONS

CONNECTION	DN (mm)	Material (Body)	DIMENSIONS mm L H	Weight (kg)
1 1/4"	32	S304	93 84	1.433
1 1/2"	40	S304	102 91	1.720
2"	50	S304	118 107	2.157

OPERATING VOLTAGE

230 V AC
24 V AC/DC

MOUNTING DIMENSIONS



5-WIRE CR4 (with capacitor and feedback signal):

Yellow wire: phase (AC version) or + (DC version); this is the switched wire.
Blue wire: neutral (AC version) or - (DC version).
Black wire: common contact of the feedback signal.
Green wire: valve-open feedback signal.
Red wire: valve-closed feedback signal.

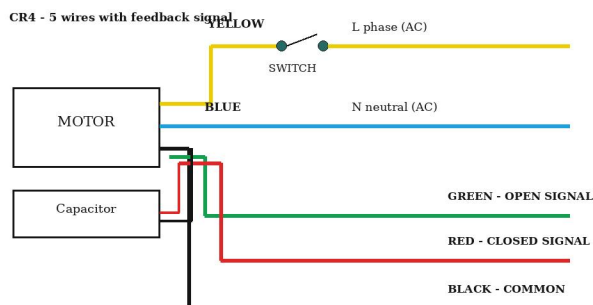
Operation:

When the yellow and blue wires are connected, the actuator starts operating (N.C. starts opening, while N.O. starts closing). When the valve reaches its end position, it is unloaded and remains in that position while the contact remains connected. If the power supply is lost, the valve returns to its initial position using the capacitor built into the actuator.

Feedback signal:

The black wire is permanently connected.
The contact on the red wire closes when the valve is fully closed.
The contact on the green wire closes when the valve is fully open.
Important: The feedback-signal voltage must be below 36 V.

WIRING DIAGRAM



TIP CF

-Solenoid valves -Pneumatic valves -PTFE fabric -PTFE mesh -Silicone fabric -PTFE and silicone hoses

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