



HVAC DC ACTUATOR

Rotary Actuator with Internal Gearbox

A rotary actuator that is capable of up to 0.10 Nm (0.88in-lbs) continuous at 10 RPM and 0.200 Nm (1.77 in-lbs) boost torque. A physical internal rotary sensor provides absolute position feedback, which is especially desirable for applications where accurate real-time position data is important for critical system- level protection and fail-safe functionality.

The actuator includes a brushed DC motor and gearbox to generate and transmit torque and an integrated potentiometer for output position sensing. Gear drive is designed to minimize hold power. Flexible mounting and output options are available. Fail-safe position of the output shaft can be communicated in the event of communication loss or component failure.

***Technical Data:**

Rotation Range: 310°

Torque (nominal): $\pm 0.10\text{Nm}$

Torque (stall): $\pm 0.20\text{Nm}$

Speed: 10RPM

Current (continuous): <100mA

Current (boost): <200mA

NVH: <45dbA

Sensor Type: Resistive Potentiometer

Sensor Linearity: $\pm 2\%$

Sensor Input: 5V DC



***Operating Limits:**

Supply voltage nominal: $12 \pm 1\text{VDC}$

Supply voltage range: 9 to 16 VDC

Operating Temperature: -40°C to 85°C

Ingress Protection: IP5K2



*Contact Husco engineering for customized performance, sensing, mounting, communication, diagnostics, ingress protection, or connectors,

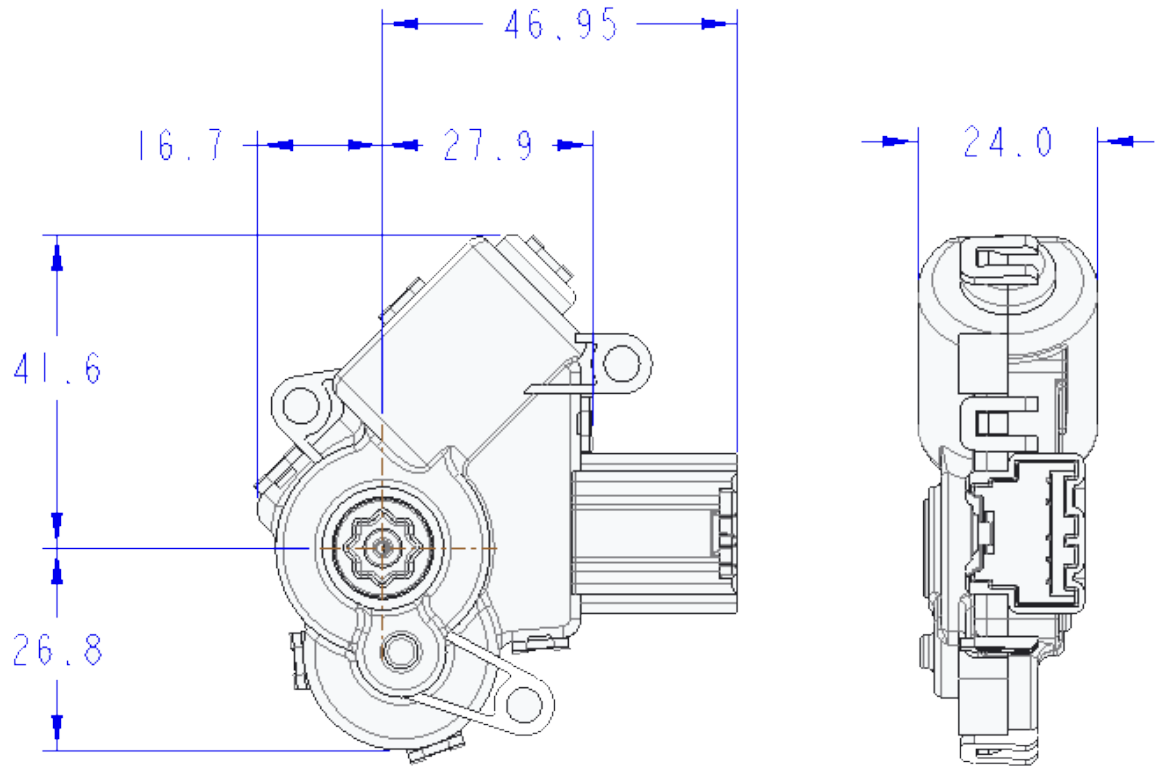


Husco's Automotive team specializes in collaborative development of customized performance solutions. Contact the engineering team for your custom solution.

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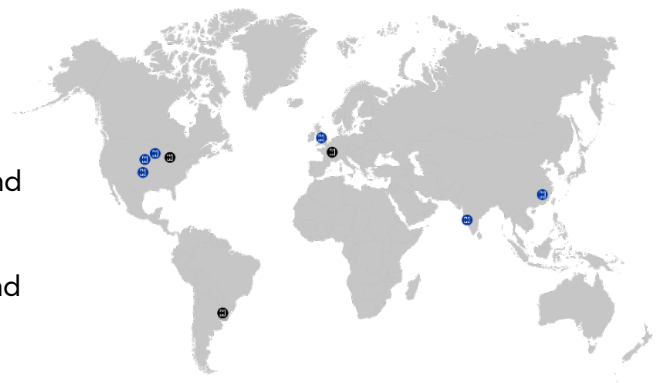
Packaging Size



Partner with Husco

Husco develops comprehensive automotive solutions that drive performance, including systems and components for electric, hybrid and internal combustion engine vehicles.

Husco is a global company with facilities around the world. Options for manufacturing locations include North America, Europe, and Asia.



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