
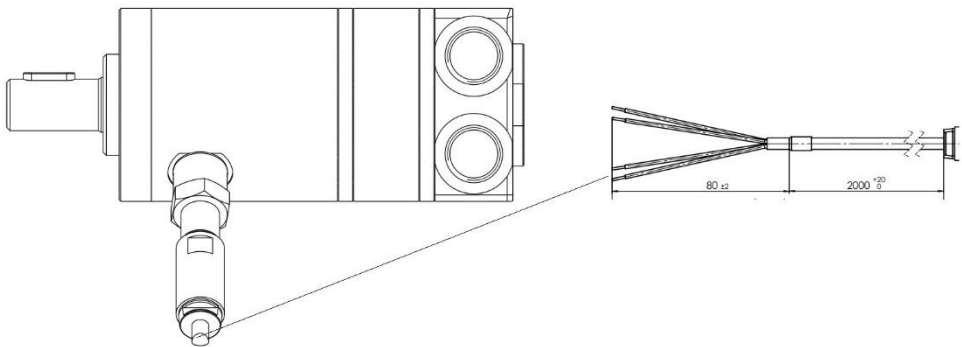


WM motor with screw-in speed sensor

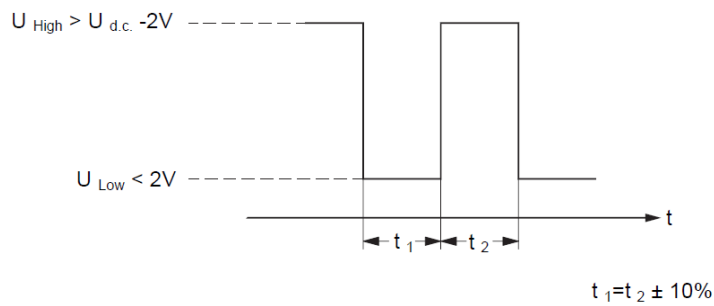
<p>Step 1:</p>  A black cylindrical motor with a silver shaft. A small black port plug and a silver hex key are shown next to it.	<p>Step 2:</p>  The motor with a silver speed sensor inserted into the top port. A red curved arrow indicates clockwise rotation.
<p>Step 3:</p>  The motor with the speed sensor inserted. A red curved arrow indicates counter-clockwise rotation.	<p>Step 4:</p>  A hand uses a silver open-end wrench to tighten the nut on the speed sensor. The motor is held steady.
<p>[Step 1: Remove Port Plug] Remove the motor port plug as shown in Photo 1. Ensure the port opening is free of debris before proceeding.</p> <p>[Step 2: Insert Sensor] Screw the sensor clockwise into the port until it lightly contacts the motor output shaft. Overtightening the sensor could cause unintended damage.</p> <p>[Step 3: Rotate Sensor] Rotate the sensor counterclockwise exactly 360° (±5°) as demonstrated in Photo 3.</p> <p>[Step 4: Secure Sensor] While maintaining rotation position, secure the speed sensor with a 13mm open end wrench to prevent motor movement. Tighten the compression nut to 20-22 Nm torque.</p> <p>[Critical Note] Execution sequence of Steps 2-4 must be strictly followed to ensure sensor functionality.</p>	

Connections



Conductor	Designation	Specification	Electrical connection
Brown	Power supply (+)	11 - 30V DC	PNP
Blue	Ground (0)	0V	
Black	Signal	See below	
White	Not connected	N/A	

Speed signal



Pulses per revolution:	22
Load:	50mA MAX.

Connection diagram

