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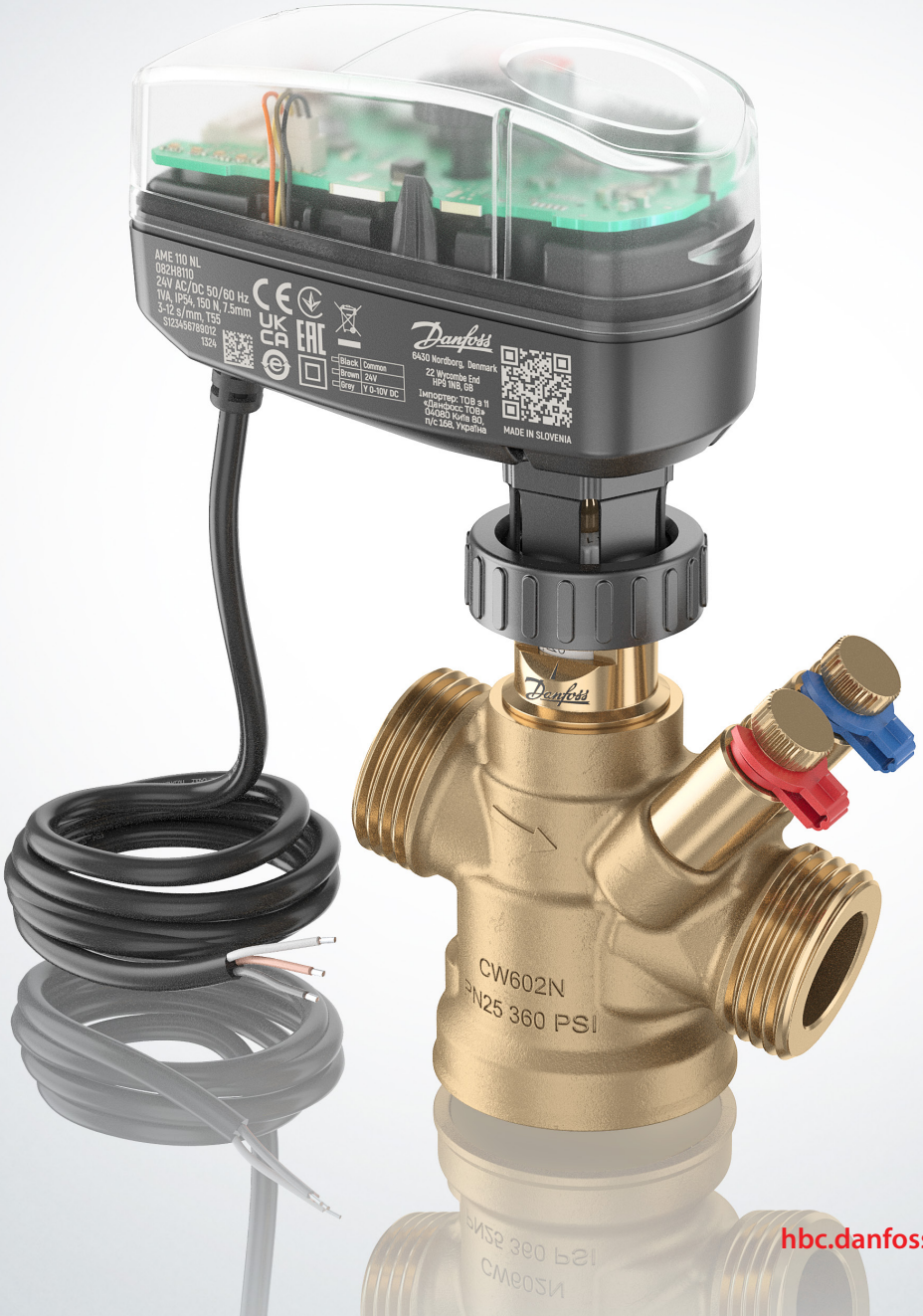
Hydronic balancing and Control | AME 110NL(X)

Enhanced analog
HVAC control performance
by digital precision

Experience enhanced accuracy and control with the 2nd generation AME 110NL(X) modulating actuators, featuring a built-in digital step motor. Designed to seamlessly integrate with AB-QM 4.0 PICV valves, these actuators ensure top performance, energy efficiency, and reliability in hydronic HVAC systems.

1,000
steps / mm
design flow
valve stroke for
unmatched accuracy



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Revolutionizing **Analog HVAC Control** and **Efficiency**

The AME 110NL(X) modular actuators are designed for high-precision control in hydronic HVAC applications, such as fan coil units (FCU), chilled beams, radiant panels, and other terminal units. Its digital step motor has a resolution up to 4,000 distinct positions covering the full AB-QM 4.0 valve stroke, delivering highly precise flow regulation that significantly enhances system efficiency.

Durability is a standout feature of the AME 110NL(X). With an upgraded IP54 rating, it offers robust water resistance and can be installed in any orientation, providing flexibility and reliability for various applications. This makes it a reliable choice for diverse environments and installation requirements.

Utilizing it's abilities to be powered with 24V AC as well DC voltage, **energy efficiency** is at the core of the AME 110NL(X). Consuming just 1W in DC mode and 1.1VA in AC mode. This lower power consumption supports sustainable building operations by reducing overall energy costs.

Advanced, electronic calibration and valve stroke detection are other key benefits, ensuring **consistent and accurate performance**. The automatic calibration routine performed on every power-up (also after a power failure) further enhances the reliability and precision of the actuator.

User-friendly features include four LED lights for visible position indication, with two of these LEDs capable of displaying different colors to indicate warnings and alarms. This provides clear and immediate feedback on the operational status. Additionally, harmonized halogen-free cables available in lengths of 1.5, 2.5 and 5 meters simplify installation and maintenance.

Additional information

Click for **Product store**

Click to open **the datasheet**

Click to open **the EPD**

Click for **the Tender text**

The AME 110NL(X) significantly **enhances efficiency and productivity** by providing optimal control and performance in HVAC systems. Its robust design and enhanced features ensure long-lasting **reliability and durability**. The actuator supports **sustainability** efforts with its reduced energy consumption and **compliance** with RoHS standards without limitations. The flexible design and user-friendly features make installation and configuration straightforward and convenient.

The combination of our AB-QM 4.0 valves with the new AME 110NL(X) modular actuator offers a great contribution to hydronic HVAC efficiency. This mighty duo ensures precise control, enhanced durability, and significant energy savings, making it the ideal choice for modern HVAC systems without bus-communication.

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