

iRound 1

Digital Rotatives



Versions

27EI001020	ROTARY MODULE W/O KNOB & NUT - MX
27EI001021	ROTARY MODULE WITH KNOB & NUT - MX
27EI001030	ROTARY MODULE W/O KNOB & NUT - TH
27EI001032	ROTARY MODULE WITH KNOB & NUT - TH

Customized solutions can be developed

Technical Specifications

General

Operating torque	0,02-0,05 Nm
Pressing force	4-6 N
Button Stroke	2 mm
Life cycle test	200k ON-OFF cycles 70k turning cycles
Mounting thread	M38 x 1,5
Tightening Torque (Product to Faucet)	1,5 Nm
Extraction load knob	27±5 N
Waterproof protection	YES
Connector	Jack Plug Ø 3,5 mm (4 pins)
Input Voltage	12V DC
Communication protocol	Modbus RTU standard
Communication Physical layer	RS-485

Description

When paired with SEDAL's electronic water valves, the iRound 1 offers seamless operation, featuring one-touch ON-OFF control and precise temperature and flow adjustment with a simple turn.

A customizable illuminated ring surrounds the interface, delivering dynamic color effects and real-time feedback for an enhanced user experience.

Features

- Control:
 - ON-OFF: Quick press to start/stop water flow.
 - Rotation: Adjusts flow rate or temperature.
 - Long press: Switches between temperature and flow control modes.
- Visual:
 - RGB LED ring: The LEDs indicate temperature—red for hot, blue for cold—when in temperature selection mode. In flow rate selection mode, the light dims according to flow rate.
- Installation:
 - The rotary button can be mounted on a faucet or any flat surface, using a direct screw mount for taps and showers.
 - The rotary module can be paired with a metallic knob, available in custom finishes to match the customer's fittings.
 - Single wire connection for communications and power supply.
 - Compatible with M1 and T1 CLASS II electronic water valves.

Certifications

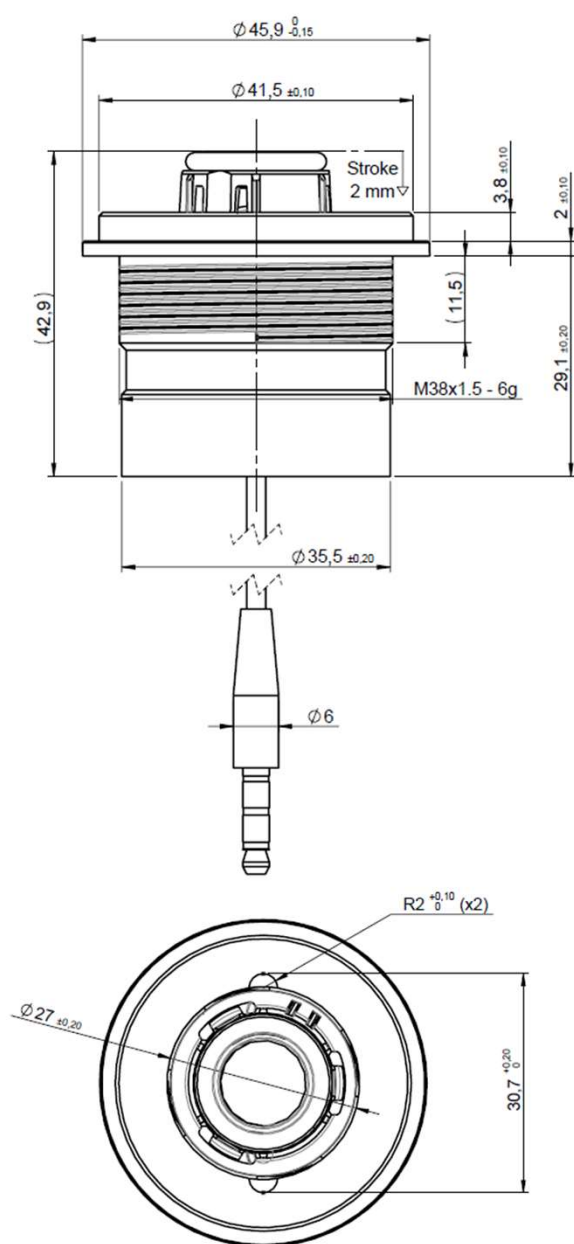
Electric Standards

CE approved.

EMC: EN 55014-1, EN 55014-2

RoHS: IEC 63000

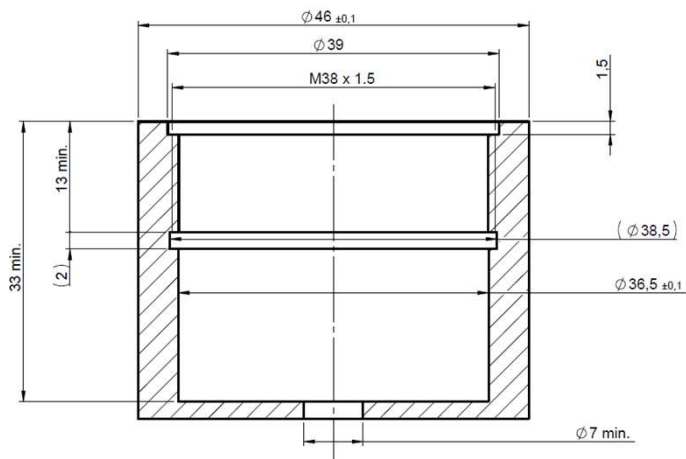
External dimensions



Connectivity

RS485 Modbus RTU standard.

Machining prescription - Faucet



Machining prescription - Knob

The external geometry and appearance of the knob is customizable

