

Flexible diagnosis module for Motor Operated Valves

Proper actuator operation is a key factor for safe and reliable operation.

Challenge

Valve issues are a leading cause of unplanned downtime. Traditional preventive maintenance requires periodic in-situ testing and valve refurbishment which leads to significant maintenance work and costs.

Solution

SIPLUG[®]-C is a flexible and lightweight application for Motor Operated Valves offering a continuous condition monitoring and diagnostic of the valve and supporting the optimization of maintenance planning. Therefore it increases the valve availability and enables the reduction of the total cost of ownership of the assets.

SIPLUG[®]-C monitors the valve's actual status and health trend immediately after each valve movement during normal plant operation.

SIPLUG[®]-C combines a non intrusive and easy to install clamp-on solution to a very lightweight and smart design, enabling an easy and scalable installation in the Motor Control Center.

SIPLUG[®]-C can be integrated in existing monitoring and diagnostics infrastructures and can be used in a variety of use cases: cloud based as well as offline solutions for monitoring and diagnostic.



Technical information

Small & lightweight:

Appx. 100 x 30 x 30 mm
Weight approx. 50 g

Instrumentation:

PoE powered
Easy clamp-on-wire solution

IoT processing box:

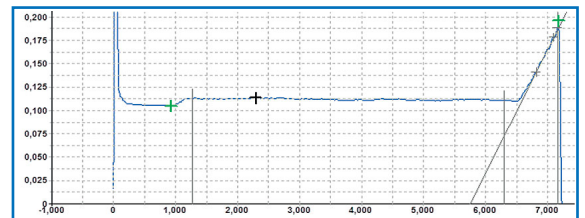
Up to 100 sensors
40 simultaneous measurements
Interfaced with MQTT protocol

Ranges:

433V/10A/7.5 kW
Additional ranges planned

Customer benefits

- High asset availability
 - Longer maintenance periods
 - Lower maintenance and repair costs
- Fast & safe installation without electrical works
- Permanent or temporary installation possible
- Continuous monitoring of asset health during plant operation
- Private cloud or offline
- Integration in existing IT infrastructure over open protocol



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