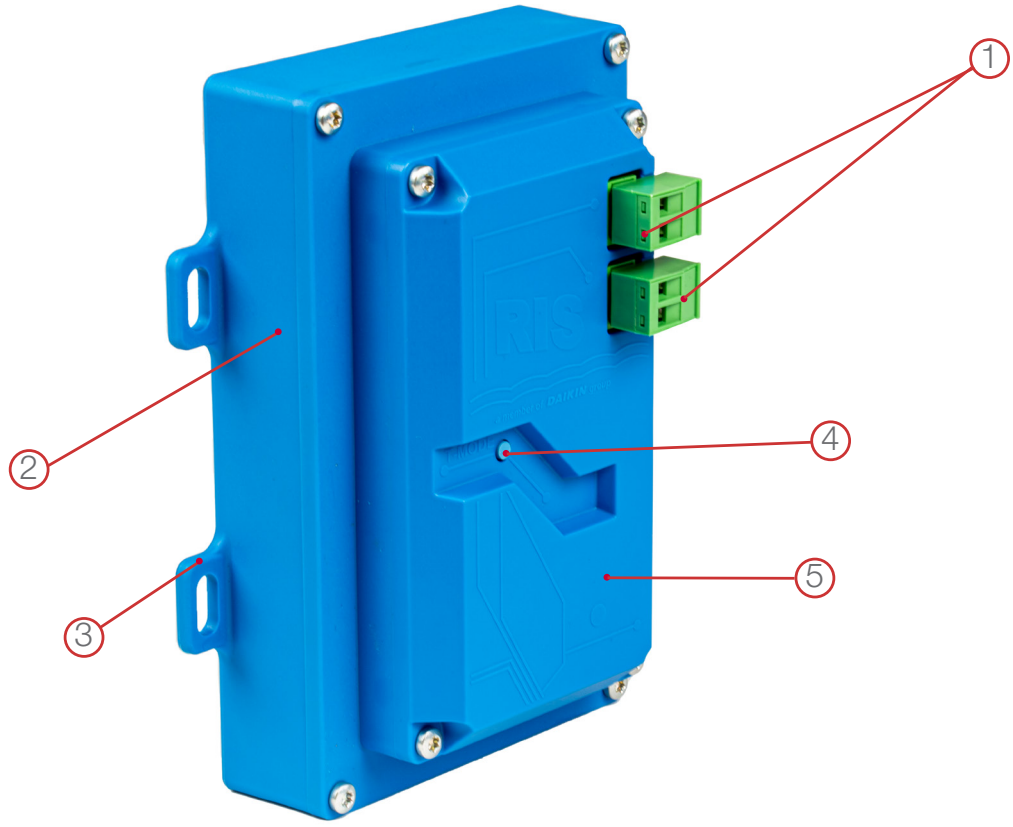
Voltage Control Sensor

RIS FSX SENSORS – THE PREDICTIVE MAINTENANCE SOLUTION

Sensor description

The sensor is equipped with a narrowband IoT modem, which enables uninterrupted data transmission even in buildings with many obstacles for radio waves or even when installed underground. The sensor is battery-powered and thus completely self-sufficient in combination with narrowband IoT transmission technology. The RIS-FSX voltage control sensor measures power, voltage and current up to 720 W / 36 V / 20 A with an accuracy of 1 mW / 1 mV / 1 mA across the complete measuring range.



Particle sensor

1. Plug-in connections
2. Battery case
3. Brackets for sensor attachment
4. T-mode button (function test)
5. Sensor housing cover

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Technical data of the voltage control sensor (DCS)

During the voltage control sensor (DCS) assembly, make sure that it is not positioned in the immediate vicinity of a frequency inverter. When connecting the plug connections, ensure that the polarity is correct. Please contact the manufacturer for more information on the assembly location and connection of the sensor.

Basic data

Information	Value (unit)
Height	120 mm
Width	70 mm
Depth	30 mm
Operating temperature	-30 ~ +70 °C
Transmitting power	+14 dBm
Receive level	164 dB
Start-up time	≤1 min (≤15 min. for full measuring accuracy)
Weight incl. battery	180 ±0.2 g
Housing material	Durethan B30S

Operating data/conditions

Information	Value (unit)
Max. current	±20 A
Max. voltage	36 V min
Measuring range	Voltage and current up to 720 W/36 V/20 A Resolution 1 mW, 1 mV, 1 mA across complete measuring range)

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