



VARIMETER RCM

DOLD 

Residual current monitor IR 5882 Reliable detection of fault currents

Our compact **residual current monitor IR 5882** of the **VARIMETER RCM** family of DOLD measures AC fault currents and pulsating DC fault currents. The device signals them via its potential-free change over contacts dependent on the adjusted respond values for prealarm and alarm. The IR 5882 is also suitable for the use in consumer units and industrial panels due to the integrated residual current transformer and a depth of only 63 mm.

Residual current monitors are measuring and monitoring residual- and fault currents in grounded voltage systems. They will be used in plants where they should signal a failure but not disconnect. Compared to current protection switches that are switching-off immediately at certain measuring fault currents, residual current monitors are showing a fault current early and are signaling an insulation degradation for an output contact for example.

Due to the early detection of insulation faults as well as preventive maintenance and service outside the operating time, unexpected stand stills of machines and plants can be avoided and do not result to inadvertent operating interruptions, damages or high costs.

Your advantages

- ▶ Integrated residual current transformer (diameter 28 mm)
- ▶ Time- and cost optimal service / maintenance
- ▶ Preventive fire- and plant protection by early fault signal
- ▶ Simple adjustment via snapping rotary switches
- ▶ Wire break detection in measuring circuit
- ▶ Wide auxiliary voltage range AC/DC24 - 230V

Our experience. Your safety.

Residual current monitor IR 5882

Technical features

- ▶ According to IEC /EN 62 020
- ▶ For AC currents and pulsating DC currents, Type A according to IEC/TR 60755
- ▶ Frequency range 20 ... 2000 Hz
- ▶ Storing of alarm value is selectable
- ▶ With prewarning
- ▶ With proof- and delete button
- ▶ Wire break detection in measuring circuit
- ▶ Short reaction time
- ▶ Width of 105 mm with integrated residual current monitor
- ▶ With adjustable response delay t_v
- ▶ Closed-circuit current principle (output relay not activated in case of a fault)
- ▶ LED- display for auxiliary voltages, prewarning and alarm



Residual current monitor IR 5882

Order information

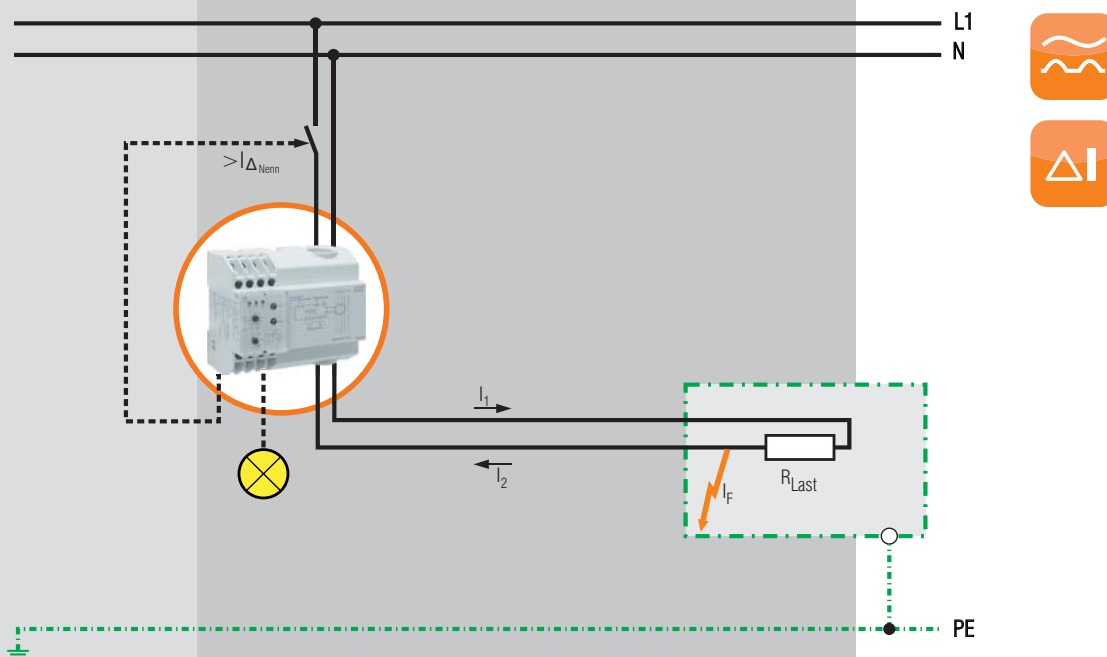
Standard type: IR 5882.38 AC/DC 24-230 V 10A $t_v=5s$
Article number: 0066743

Application

Our compact residual current monitor IR 5882 is suitable for the use in consumer units and industrial panels. With the integrated residual current transformer it is possible to measure and analyse AC fault currents as well as DC fault currents. Machines and plant will be monitored permanently. Our residual current monitor IR 5882 will be additionally installed to the already existing protection equipment and allows a higher plant availability and plant safety due to early detection of insulation faults.

Application sectors

- ▶ Building automation
- ▶ Data center
- ▶ Air conditionings
- ▶ Cooling systems



Further information

IR 5882

Start

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DOLD

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