

# Operating Instructions

## MAXIMAT LWC-B Leakage Sensor (bottom electrode)



### Safety Precautions

- Installation, initial start-up and maintenance may only be performed by trained personnel! All applicable European and national regulations regarding installation of electrical equipment must be adhered to.
- The device may only be connected to supply power which complies with the specifications included in the technical data and on the serial plate!
- The device must be disconnected from all sources of power during installation and maintenance work!
- The device may only be operated under the conditions specified in the operating instructions!

### Functions Description

The MAXIMAT LWC-B leakage sensor (bottom electrode) is used for leakage detection in catch basins and catch spaces.

It is equipped with three different output circuits:

- Binary output for controlling a coupling relay
- 0 to 20 mA current output for controlling an analogue input channel, e.g. a programmed logic controller (PLC)
- Self-monitoring measuring circuit in combination with the MAXIMAT SHR C measuring transducer with 2-wire connection

### Technical Data

#### Supply Power

24 V DC  $\pm$  10%

Power supply with current limiting or 250 mA fuse recommended

#### Connected Load

Approx. 3 W

#### Ambient Temperature

-20 to +60 °C

#### Outputs

Binary output: +DO / -DO max. 30 mA / 24 V current

output: +AO / -AO 0 to 30 mA

Output for MAXIMAT SHR C measuring transducer

#### Measuring Circuit for Use with SHR C Measuring Transducer

Max. cable inductance: approx. 5 mH

Max. cable capacitance: approx. 0.5  $\mu$ F

#### Measuring Circuit Cable Length

Max. 300 m

Min. wire cross-section: 0.5 square mm

#### DIBT Approval

Approval no. Z-65.40-316 for overflow inhibitors and leakage sensors in accordance with WHG §19

#### Note:

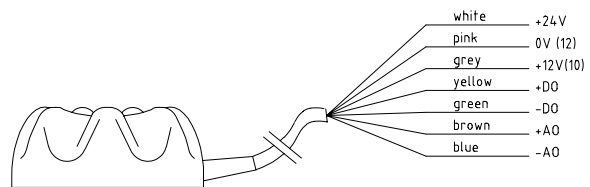
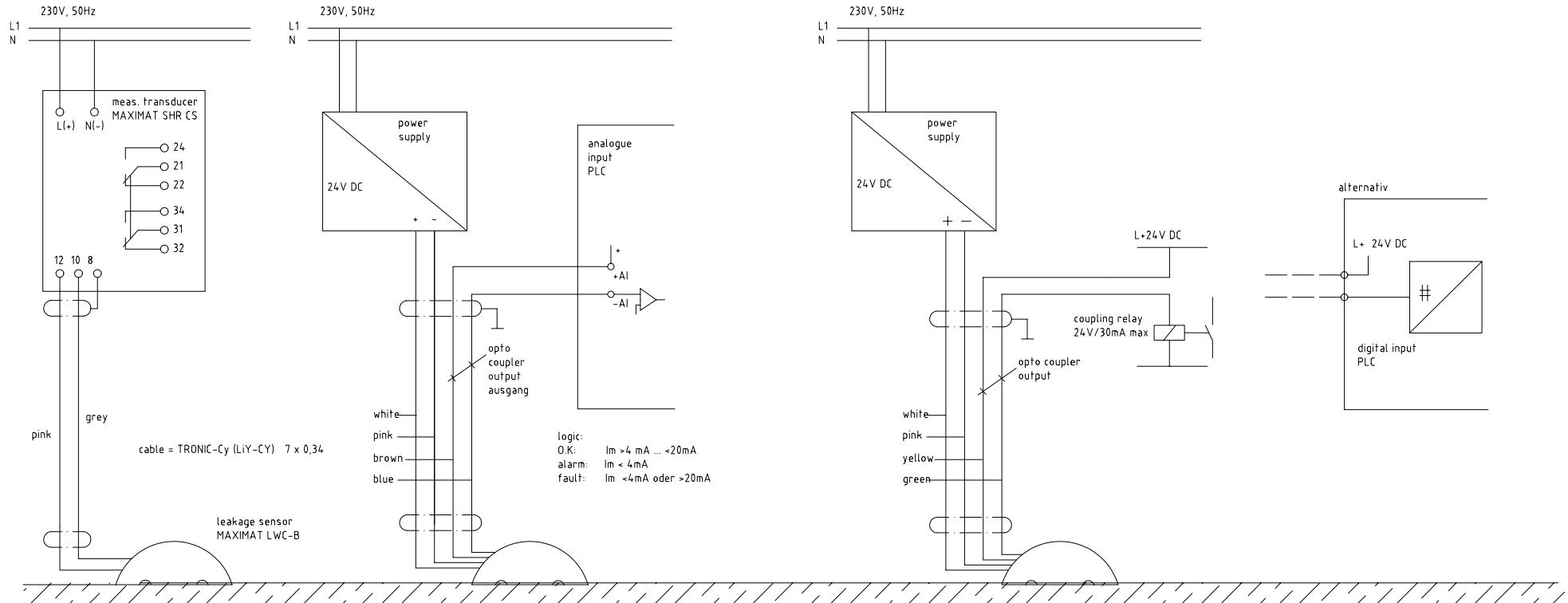
The accompanying "General Building Supervisory Approval no. Z-65.40-316" is an integral part of the operating instructions and all stipulations contained therein must be adhered to!

#### CE Mark

In accordance with low-voltage directive (73/23/EWG), EMC directive (89/336/EWG) and

- EN 50 082-2:1995
- EN 55 011 (class A):1998

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**Note!**  
Connect unused  
conductors to vacant  
terminals or insulate  
individually!