

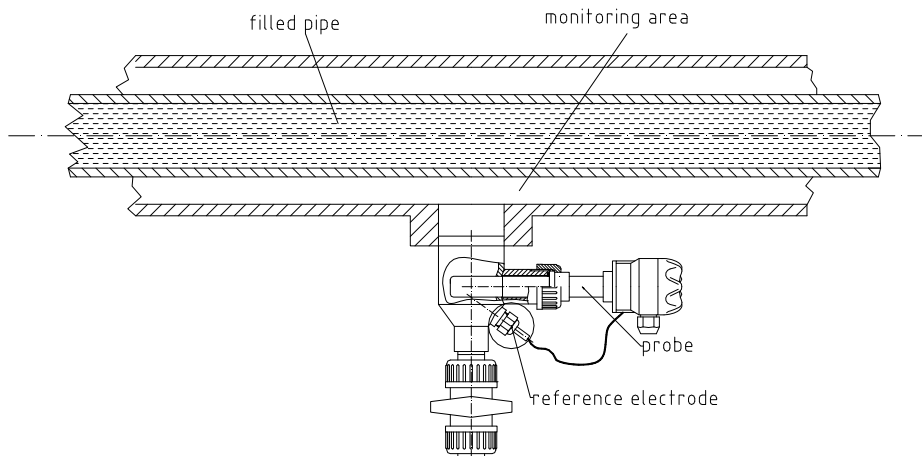


Safety Precautions

- Installation, initial start-up and maintenance may only be performed by trained personnel!
- The device may only be connected to 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 these operating instructions!

Functions Description

Leakage sensor for double-wall piping in accordance with WHG §19




Technical Data

Functional principal:	Capacitive high-frequency, fail-safe
Ambient temperature:	-20 to +60°C
Operating pressure:	Atmospheric, 0.8 to 1.1bar
Terminal housing:	PBT, fibre-glass reinforced, IP65 protection per EN 60 529
Process interface:	See order information
Supply power:	15 to 27V DC
Connected load:	<1W
Material:	Sensor = PE, Sleeve nut = PVC, Reference electrode sealing = TPR, Probe and valve sealing = EPDM

Technical Data (continued)

Outputs:

- **Floating reed relay contact** (contact opens in case of alarm)
for extra-low voltage, max. 50V AC / DC, max. 0.5A, max. 10VA
e.g. for connection to coupling relays or PLC, TC4 signalling device or CST supply power isolator
- Observe protective measures for reed relay contacts (see instruction leaflet SU3101)** 
- **2-wire alarm evaluation** with MAXIMAT SHR C measuring transducer

Note: Simultaneous use of both outputs is not possible.

Terminals: Screw terminal for wire cross-sections of up to 2.5mm²

Input: For external test button (*connection to terminals T and C*)
Test button contact closed = test alarm is triggered

Note: The function test executed with the test button does not replace the operating test specified in ZG-ÜS, section 6.2, which must be conducted for all probes on a regular basis at least once a year.

Indication:

Green LED on the connector PCB:

- Run: LED illuminated
- Alarm/error: LED off

Measuring circuit cable length:

Max. 300m, min. wire cross-section: 0.5mm²

Maintenance

The device is maintenance-free if used for its intended purpose.

Attention!

In the event of a leak, the sensor must be removed from the medium immediately. It must be effectively cleaned (rinsed), and may not be reinstalled to the dry catch basin until after it has been subjected to a complete function test.

If there is any danger of conductive deposits accumulating on the sensor unit resulting from vapours, contamination or condensate, it should be cleaned at regular intervals in order to avoid false alarms.

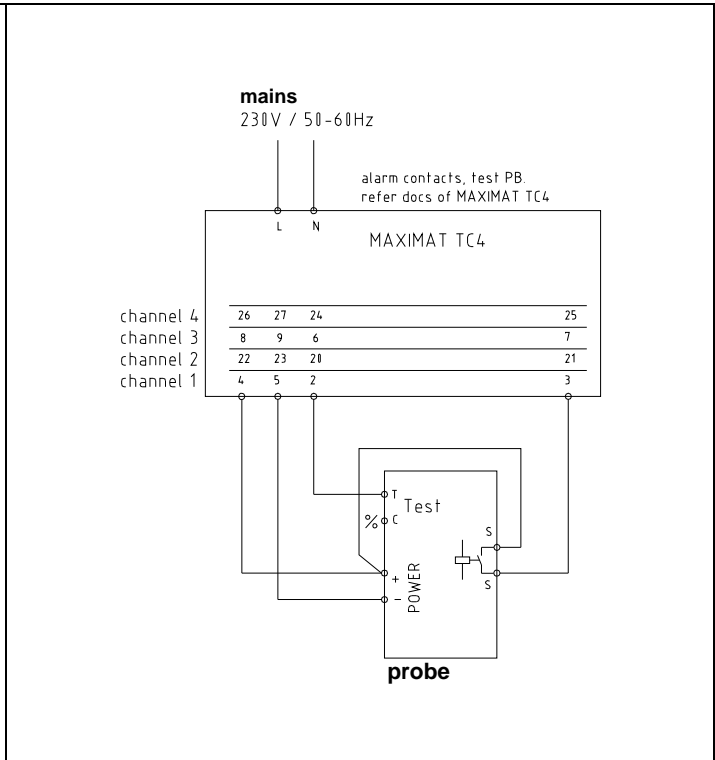
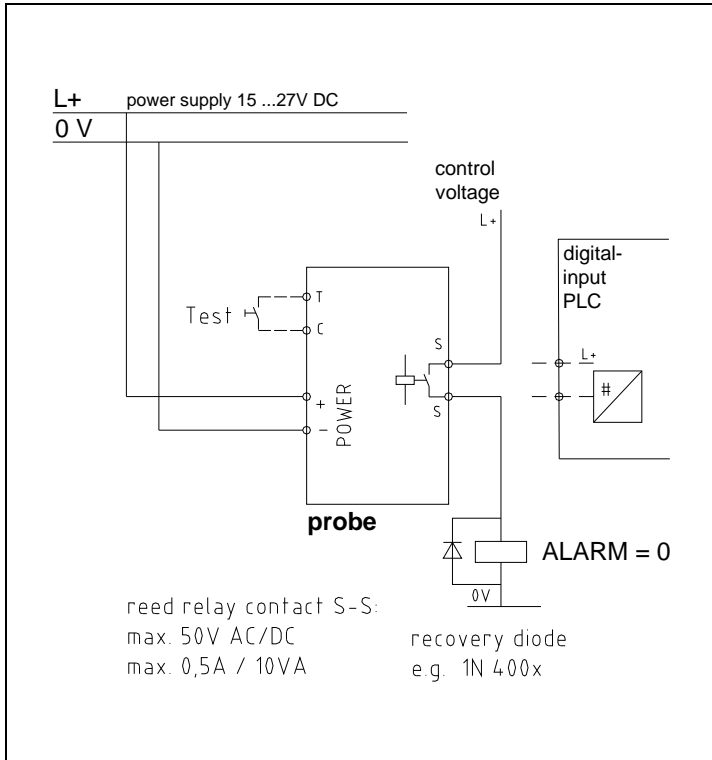
Approvals

DIBt (Germany)-Approval no. **Z-65.40.496** for leakage sensors in accordance with WHG §19
SVTI ASIT (Switzerland)-Approval no. **KVU-No. 321.012.14** for leakage sensors in accordance with GSchG

CE Mark

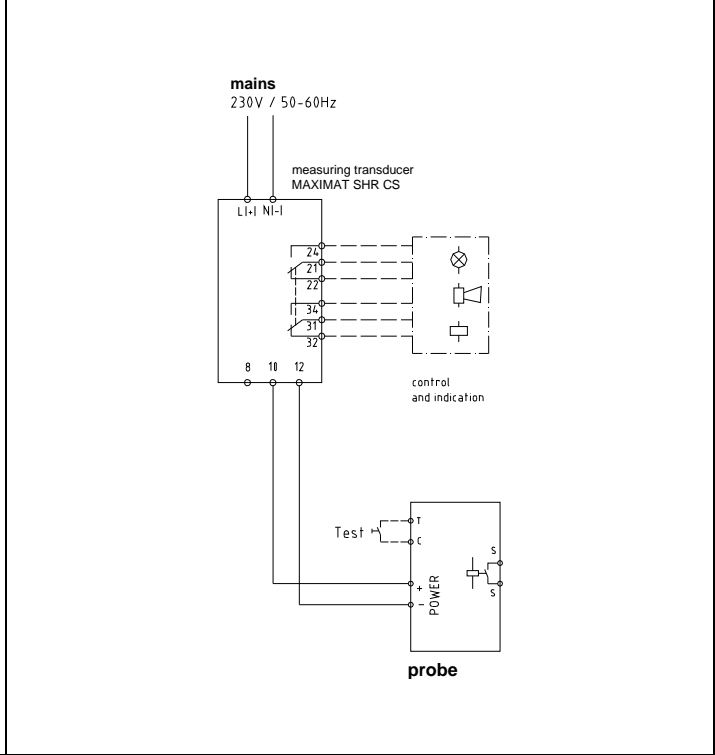
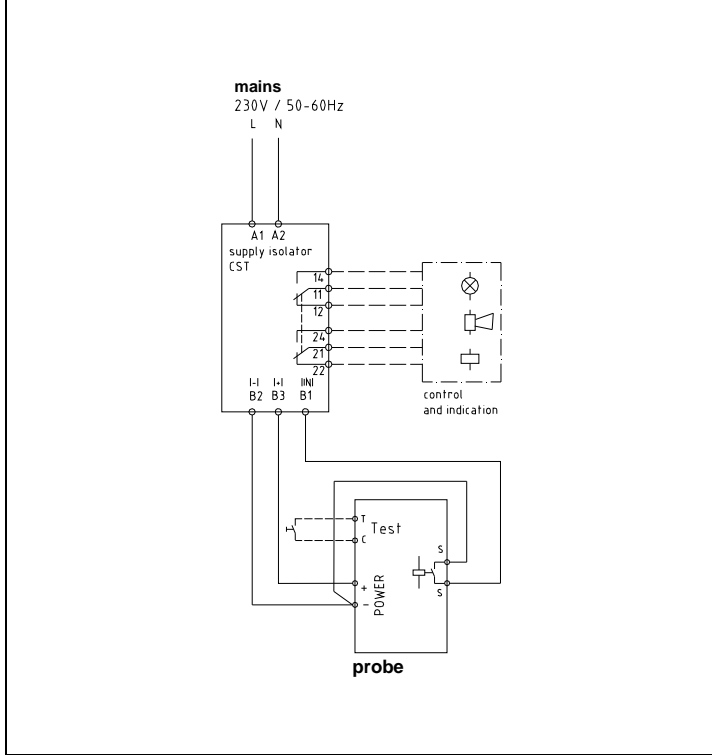
The device fulfills the legal requirements of applicable EU-guidelines

Electrical Connection



Coupling Relays or PLC

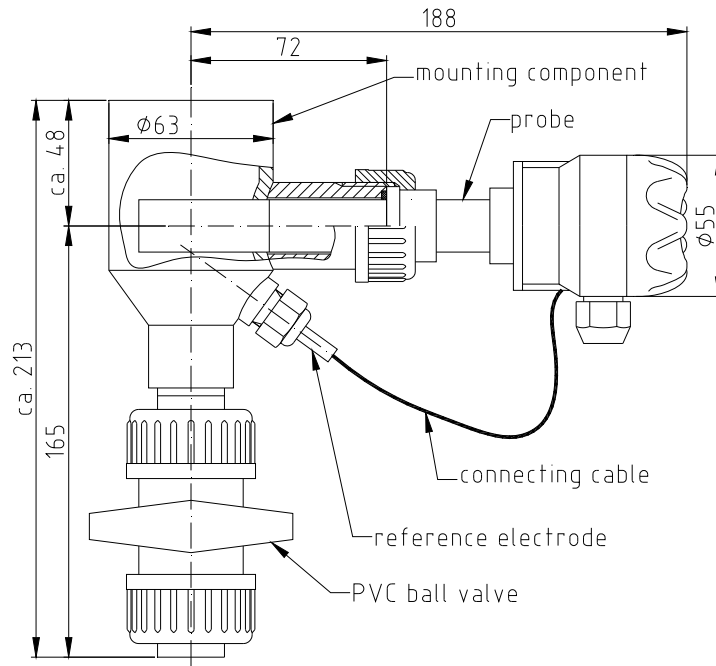
MAXIMAT TC4 Signalling Device



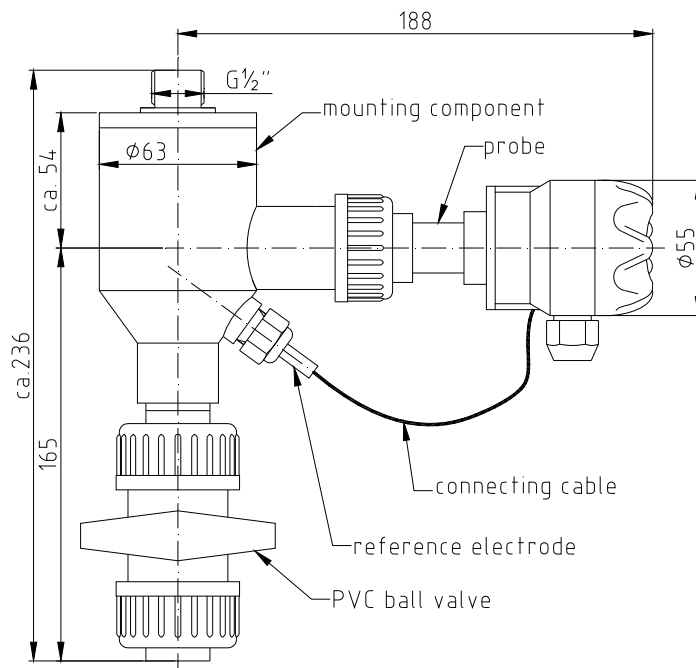
CST Supply Power Isolator

MAXIMAT SHR CS External Measuring Transducer

Dimensions



MAXIMAT LW CX-SDR with ET 25_E Mounting Component



MAXIMAT LW CX-SDR AG 25_E Mounting Component