

Leakage detection sensor MAXIMAT® LW C



- Capacitive, high frequency, fail-safe detection
- For aggressive and conductive liquids
- Positive active alarm
- Auto diagnostic system and LED indicator
- Approvals: DIBT Z-65.40-316, for overfilling detection WHG§19

APPLICATIONS

With its integrated transmitter and connection for diagnostic, the MAXIMAT is ideal to detect the presence of a liquid due to a leakage from dangerous and non-flammable liquids containers.

PRINCIPE

The transmitter MAXIMAT is designed to detect conductive liquids with a resistivity up to 5 kOhm/cm and a coupling capacitance towards ground of more than 50 pF. The liquids may not generate electrical insulating or conductive deposit.

The MAXIMAT has 3 different outputs, factory built-in:

- Binary output to active optocoupler, numeric input
- Analog 0...20 mA output for any analog input of PLC

TECHNICAL SPECIFICATIONS

Main power supply: 15 ... 26 V DC; caution: DC current circuit should be protected by a fuse of 250 mA.

Power consumption: approx. 3 W

Ambient temperature: -20 to +60° C

Operating pressure: atmospheric, 0.8 to 1.1 bar

Sensor tube: PE-HD material (MAXIMAT LWC..),

PVC material (MAXIMAT LWC25)

Terminal housing: PBT, fibre glass reinforced, IP 65 acc. EN 60 529

Terminals: mm² screw connectors, IP 20; max. wire cross-section 2.5

Cable 6 m long: PCV, shielded, 7x0,5 mm², (MAXIMAT LWC..)

PCV, shielded, 7x0,34 mm², (MAXIMAT LWC25)

Hysteresis: About 2 mm

Switching height: 5 mm as the minimum

Outputs:

• Switch [+DO / -DO]: optocoupler NPN, maximum 30 mA

• Switch [+AO / -AO]: current 0...20 mA

Configuration: with 4 DIP switches

Lighting signal: 1 LED inside the terminal housing for correct operating system

CE mark:

in accordance with low-voltage directive (73/23/EWG)

and EMC directives (89/336/EWG)

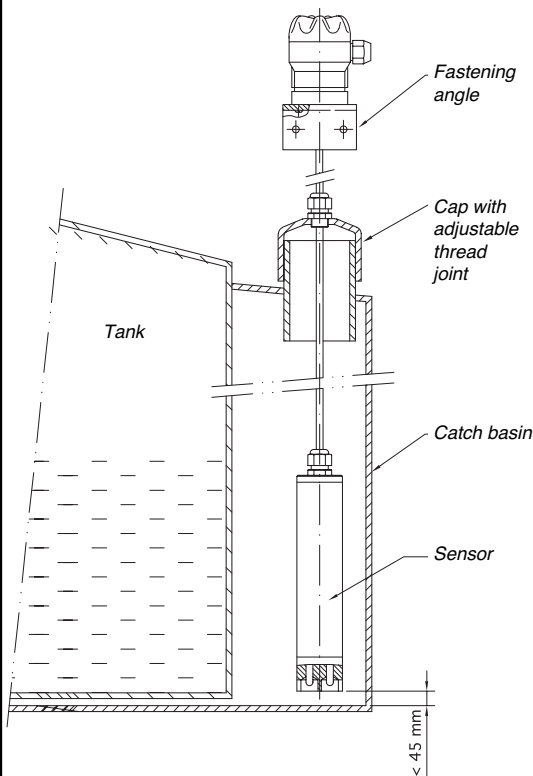
and standards EN 50 082-2 : 1995,

EN 55 011 (class A) : 1998

Approvals

DIBT Z-65.40-316, for overfilling

and leakage detection WHG§19



BAMO MESURES

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MAXIMAT® LW C

05-02-2007

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CODE NUMBERS AND REFERENCES

MAXIMAT LW C, 24 V DC, probe, diameter 40 mm

Compact leakage sensor for all electrically conductive liquids (non flammable) – Integrated measuring transducer – cable: 6 m.

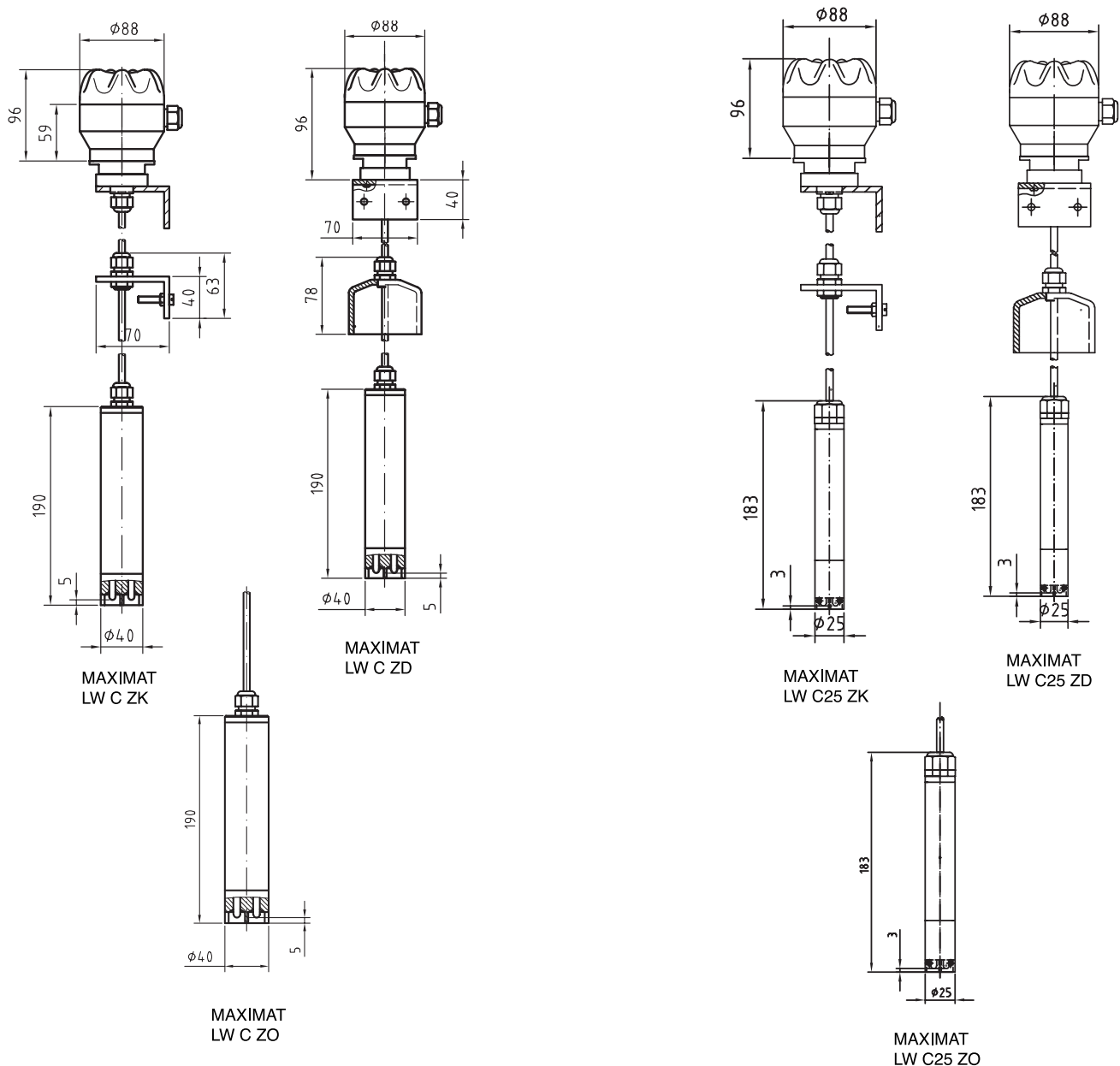
Code	Référence	Désignation
555 300	MAXIMAT LW C ZK	Ensemble boîtier + capteur avec équerre de supportage + presse étoupe de réglage
555 310	MAXIMAT LW C ZD	Ensemble boîtier + bouchon fem Ø 63 et presse étoupe de réglage
555 315	MAXIMAT LW C ZO	Capteur seul (pour raccordement direct sur automate)

MAXIMAT LW C25, 24 V DC, probe, diameter 25 mm

Compact leakage sensor for all electrically conductive liquids (non flammable) – Integrated measuring transducer – cable: 6 m.

Code	Référence	Désignation
555 330	MAXIMAT LW C25 ZK	Ensemble boîtier + capteur avec équerre de supportage + presse étoupe de réglage
555 340	MAXIMAT LW C25 ZD	Ensemble boîtier + bouchon Ø 32 et presse étoupe de réglage
555 345	MAXIMAT LW C25 ZO	Capteur seul (pour raccordement direct sur automate)

DIMENSIONS



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