

# Compact leak detector MAXIMAT LW CX



# WHG

- All-plastic versions
- Integrated transmitter and connection for test button
- No moving parts
- For retention on storage tanks
- NPN / PNP interfaces

## AGREEMENTS

- General building supervisory approval issued by DIBt: Z-65.40-496
- Certification of Product Approval by SVTI ASIT: KVVU-Nr. 321.012.19
- Vlare II (Corcon bvba) certificate: CP0914/3073-HCC001
- GOST-Clearance Certificate: 42 1300/ 9026 10 290 0

## APPLICATION

Leak detection in accordance with the German Water Resources Act (WHG) for double-walled containers and retention in use for water-polluting, electrically conductive, non-flammable liquids.

## DESCRIPTION

MAXIMAT LW CX compact leak detectors are used to detect leakage of containers, outside the container, leaks of water polluting liquids. When an electrically conductive liquid comes into contact with the detector probe, the integrated electronics respond by interrupting the continuous output signal. By interrupting the signal, audible and visual alarms are triggered.

## TECHNICAL FEATURES

Detection	Capacitive high-frequency sensor, fail-safe detector
Ambient temperature	-20 ... +60 °C
Operating pressure	Atmospheric; Limits: 0.8 to 1.1 bar
Housing head	PBT, fibre-glass reinforced
Protection	IP65 according to EN 60 529
Fittings	See the table "ordering information"
Power supply	15 ... 27 V DC
Consumption	< 1 W
Materials	Mounting bracket or cap: PVC Probe: PVC for O.D. 25; PE for O.D. 40
Outputs	<b>Potential-free Reed contact for low voltage (Normally closed, it opens when alarm occurs)</b> Rated: Max. 50 V AC / DC, Max. 0.5 A, Max. 10 VA, convenient for operating with a coupling relay or PLC, signaling device TC4 / TC1 or CST unit. <b>2-wire alarm output reporting with transmitter MAXIMAT SHR C</b> with transmitter MAXIMAT SHR C

**Note: Simultaneous use of both outputs is not possible.**

Terminals	Screw terminals, cable max. 2.5 mm <sup>2</sup>
Additional function	Connection of an external test button (potential-free contact), for a complete diagnostic of the device integrity (connection loops, electronics).
Connection options	Alarm units: MAXIMAT TC1 / TC4 Coupling relay: CST Transmitter: MAXIMAT SHR C Automation with PLC



## TECHNICAL FEATURES (Continued)

EC Conformity: The instrument meets the legal requirements of the current European Directives.

## ORDERING INFORMATION

### MAXIMAT LW CX with 6 m long cable

#### Probes

**25** O.D. 25 mm (PVC)

**40** O.D. 40 mm (PE)

#### Detector versions

**K** Mounting bracket with adjustable cable gland

**D** Cap Ø63 or Ø32 with adjustable cable gland

**0** Without head housing neither brackets

MAXIMAT LW CX

Other cable lengths, fitting types: On request.

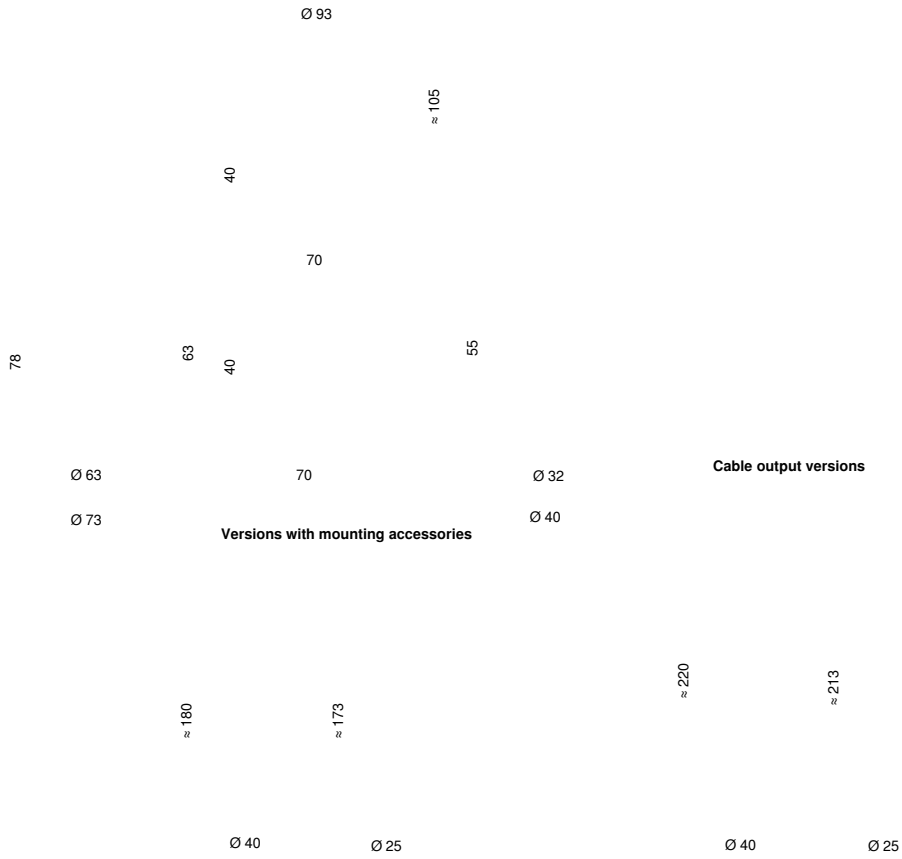
Code	Reference	Description
556 700	MAXIMAT LW CX 40 K	Leak detector, PE, O.D. 40 mm; Connection head; mounting bracket with adjustable cable gland
556 710	MAXIMAT LW CX 40 D	Leak detector, PE, O.D. 40 mm; Connection head; cap Ø 63 mm with adjustable cable gland
556 715	MAXIMAT LW CX 40 0	Leak detector, PE, O.D. 40 mm; Cable output, 6m long without mounting accessories
556 730	MAXIMAT LW CX 25 K	Leak detector, PVC, O.D. 25 mm; Connection head; mounting bracket with adjustable cable gland
556 740	MAXIMAT LW CX 25 D	Leak detector, PVC, O.D. 25 mm; Connection head; cap Ø 32 mm with adjustable cable gland
556 745	MAXIMAT LW CX 25 0	Leak detector, PVC, O.D. 25 mm; Cable output, 6 m long without mounting accessories



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## DIMENSIONS



## Examples

Angle bracket

Cap with adjustable cable gland

Detection probe

Ground clearance: Max. 40 mm

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