COMPACT OVERFILL SENSOR
MAXIMAT CX

- ❖ WHG§19 Germany
- ❖ KVU Switzerland
- ❖ GOST Russ. Federation
- ❖ Vlarem II Belgium

Main Features:

- General building supervisory approval issued by DIBt: Z-65.13-494
- Certification of Product Approval by SVTI ASIT: KVU-No. 302.019.14
- Vlarem II (Corcon bvba) Prototypekeur certificaat nr.: CP0914/3072-HCC001
- GOST-Clearance Certificate: 42 1300 / 9026 10 290 0
- Integrated measuring transducer and test button connection
- No moving parts
- All plastic version
- For universal connection
  - PLC or signalling device – MAXIMAT TC1/TC4
  - Supply power isolator – CST
  - Measuring transducer – MAXIMAT SHR C
  - Coupling relays
- Suitable for electrically conductive, non-flammable liquids

Application:

Overfill inhibitor for containers used for storing, filling and handling of water-endangering, non-flammable liquids

Description:

The MAXIMAT CX compact overfill inhibitor is a fill-level limit switch which is used to prevent overfilling of containers with water endangering liquids. When an electrically conductive liquid comes into contact with the measuring sensor, the integrated electronics respond by interrupting the continuously generated signal. This signal can be read out from the system controller as an acoustic or an optical alarm signal and, if required, can be used to cause en emergency shutdown of the filling process.

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

Technical layouts, materials etc. are subject to change at any time without notice.

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Technical Data (continued):

Process interface: See order information

Supply power: 15 to 27V DC

Connected load: <1W

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 operating coupling relays or PLC, TC4 signalling device or CST supply power isolator

- **2-wire alarm evaluation** with MAXIMAT SHR C measuring transducer

Note: Simultaneous use of both outputs is not possible.

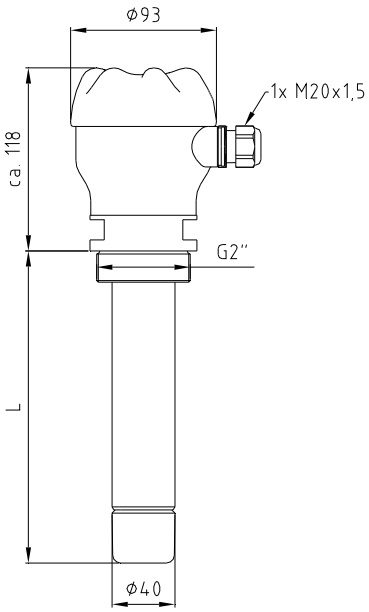
Terminals: Screw terminals for wire cross-sections of up to 2.5mm²

Additional function: Connection of an external test button (floating contact) with which the entire MAXIMAT CX electronics, the wiring and the signalling device / control unit can be tested.

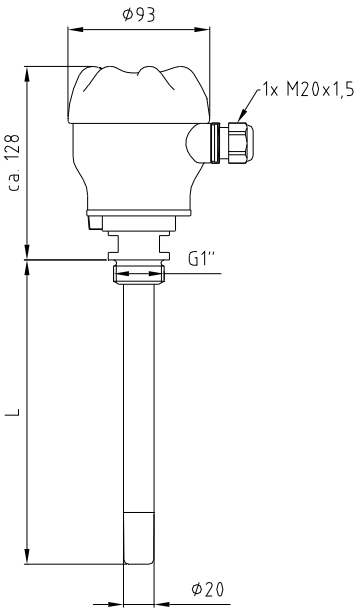
CE Mark:

In accordance with low-voltage directive (2006/95/EC) and
EMC directive (2004/108/EC)

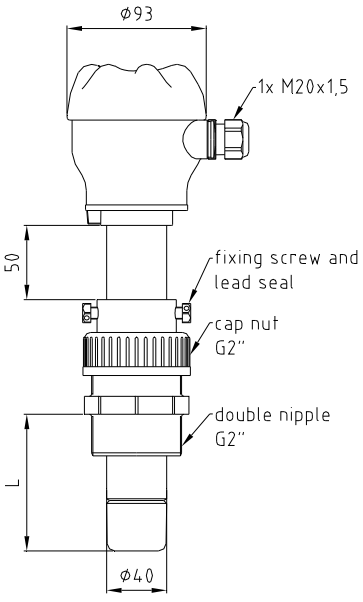
Dimensions:



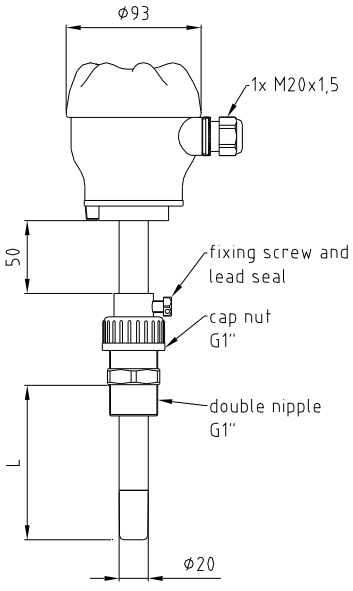
MAXIMAT CX40 K ... N



MAXIMAT CX20 K ... N



MAXIMAT CX40 K ... V



MAXIMAT CX20 K ... V

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COMPACT OVERFILL INHIBITOR
MAXIMAT CX

Order Information:

Compact Overfill Inhibitor
MAXIMAT CX

20= sensor tube diameter: 20mm
40= sensor tube diameter: 40mm

K= with terminal housing

Material:
4= PE (standard)
1= PVC (upon request)
2= PP (upon request)
3= PVDF (upon request)

Trigger point:
V= adjustable
N= not adjustable

Process interface (CX40):
U2= G2" sleeve nut for weld-on union[V]
U254= G2" sleeve nut for PE weld-on union[V]
U252= G2" sleeve nut for PP weld-on union[V]
U253= G2" sleeve nut for PVDF weld-on union[V]
G2= G2" process interface (external thread)[N, V]
F40= DN40 PN10 flange[N, V]
F50= DN50 PN10 flange[N, V]
Process interface (CX20):
G1= G1" process interface (external thread)[N, V]
G11/4= G1¼" process interface (external thread)[V]
G11/2= G1½" process interface (external thread)[V]
F25= DN25 PN10 flange[V]
F32= DN32 PN10 flange[V]

Process interface material:
1= PVC (standard)
4= PE
2= PP
3= PVDF

L= installation length (mm), as of sealing surface *

MAXIMAT CX							L = mm

Other process connections and variants are available upon request.
Don't hesitate to contact us!

V= adjustable process connection
N= not adjustable process connection

Note: Not all materials can be combined with each other. This applies above all to non-adjustable variants

The length of the sensor tube is 50mm longer than installation length "L" plus the height of the adjuster fitting.
Triggering level "A" can thus be adjusted downwardly by up to 50mm during installation (lower switching point).
Installation length "L" is the desired switching point measured as of the sealing surface of the process interface.
* Min. installation length for 40 and 20mm dia. variants = 150mm
* Max. installation length for 40mm dia. variant = 1000mm
* Max. installation length for 20mm dia. variant = 500mm
Larger installation lengths upon request

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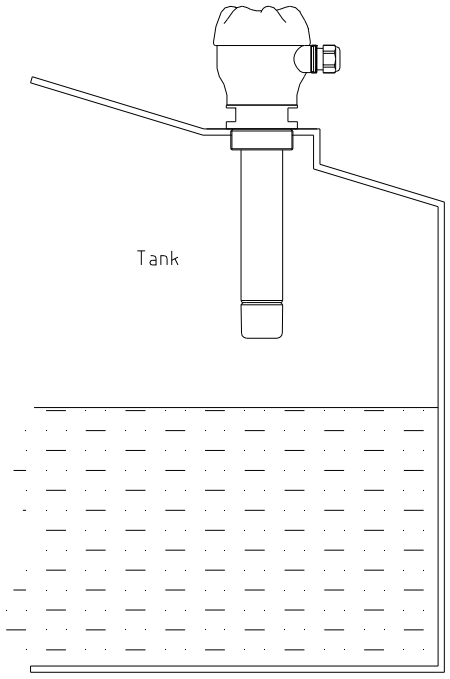
Order Information (continued):

Article No.	Designation	Description
556 602	MAXIMAT CX 40 K 4 V G2 1 L= 200mm	Overfill inhibitor with terminal housing, 40mm dia., PE, adjustable G2" PVC process interface, length = 200mm
556 604	MAXIMAT CX 40 K 4 V G2 1 L= 300mm	Overfill inhibitor with terminal housing, 40mm dia., PE, adjustable G2" PVC process interface, length = 300mm
556 606	MAXIMAT CX 40 K 4 V G2 1 L= 400mm	Overfill inhibitor with terminal housing, 40mm dia., PE, adjustable G2" PVC process interface, length = 400mm
556 608	MAXIMAT CX 40 K 4 V G2 1 L= 500mm	Overfill inhibitor with terminal housing, 40mm dia., PE, adjustable G2" PVC process interface, length = 500mm
556 662	MAXIMAT CX 20 K 4 V G1 1 L= 200 mm	Overfill inhibitor with terminal housing, 20mm dia., PE, adjustable G1" PVC process interface, length = 200mm
556 664	MAXIMAT CX 20 K 4 V G1 1 L= 300mm	Overfill inhibitor with terminal housing, 20mm dia., PE, adjustable G1" PVC process interface, length = 300mm
556 666	MAXIMAT CX 20 K 4 V G1 1 L= 400mm	Overfill inhibitor with terminal housing, 20mm dia., PE, adjustable G1" PVC process interface, length = 400mm
556 668	MAXIMAT CX 20 K 4 V G1 1 = 500mm	Overfill inhibitor with terminal housing, 20mm dia., PE, adjustable G1" PVC process interface, length = 500mm



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