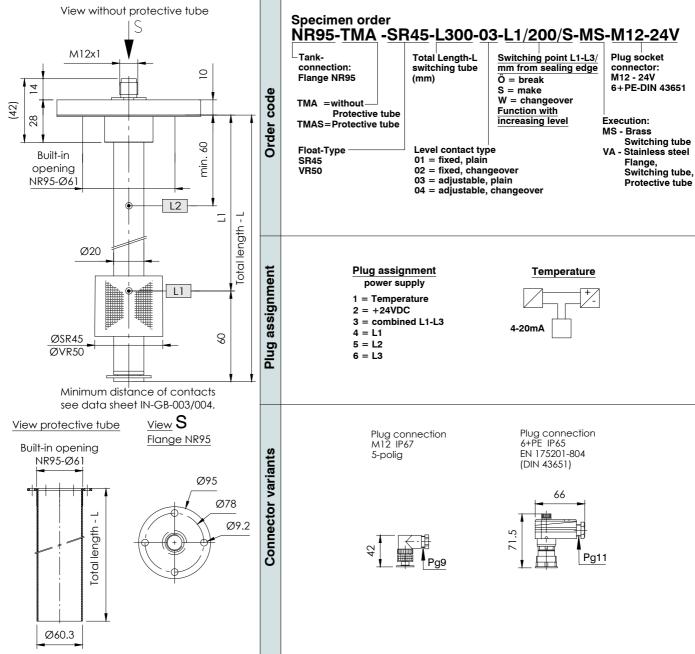
## **NR 95 - TMA**

## Level - temperature regulator for tank insert





## Description

The type NR 95 TMA level controller for installation in tanks is a contactless - operating magnetic switch and is used for monitoring and controlling liquid levels and temperatures.

Bistable protective gas contacts are installed in the switch tube

as contact cartridges adjustable on a contact strip.

The contact cartridges can be retrospectively adjusted in height in increments of 10 mm.

In the case of fixed contacts, the contact distances and their function must be specified.

The break or make function can be changed by rotating the cartridge 180°. The permanent magnet fitted in the float switches the contacts if the level changes. The switching difference (hysterese) is 4 mm. For temperature monitoring,

the temperature-dependent signal emitted by a Pt100 resistor mounted in the swiching tube is converted into a temperature-linear current change of 4-20mA using the built-in transmitter.

The level controller is maintenance - free when nondeposit media are used. For inductive loads, a protective circuit must be provided (free-wheeling diode/RC element).

The device must only be installed by specialists.

Max. viscosity 320mm<sup>2</sup>/S

## Technical data

Protective tube Switch tube

Connecting flange **Nominal pressure** 

Temperature of medium Level contacts Switching current

Switching capacity Operating voltage Measuring range Thermal element Load

**Number of functions** Installed position

Stainless steel (VA) Brass (MS), Stainless steel (VA) max. L = 2000mm

NR95, (VA) Stainless steel with flat seal

1 bar max. - Float SR45, Hart PU 10 bar max. - Float VR50, VA

100°C max.

bistabil, make / break / changeover Datasheet IN-GB-003/004 Datasheet IN-GB-003/004

12V ... 30V DC 4-20 mA = 0-100°C Pt100 RB = U-12V

20mA max. 4 adjustable vertical ± 30°

Other temperature ranges on request.

