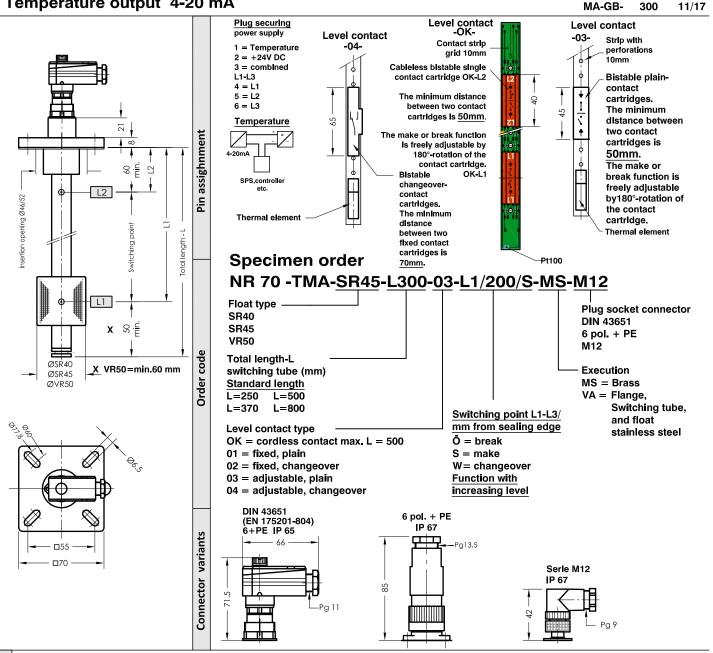
NR 70 - TMA

Level temperature regulator for tank Insert Temperature output 4-20 mA



Description

The level temperature regulator type NR 70 - TMA for tank insert is a solenoid switch operating without contact with the function of monitoring and regulating liquid levels and temperatures.

The switching tube contains bistable protective gas contacts. They may be fixed or alternatively mounted as an adjustable contact cartridge on a perforated strip. For fixed contacts, the contact intervals and their functions must be given. Plain contact cartridges can be subsequently adjusted for height. The function of make or break can then be altered by turning the cartridge through 180° degrees.

The permanent magnet built into the float switches the contacts when the level changes. The switching difference (hysteresis) is 4 mm. For temperature monitoring, the temperature dependent signal emitted from a Pt100 resistor mounted in the contact tube is converted with the installed transducer into a temperature linear current change of 4-20mA.

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 SR 45 - 320mm²/S VR 50 - 320mm²/S

Technical data

Switching tube Brass or stainless steel

max. L = 2000mm

Connection flange Polyamid or stainless steel

with flat seal - float **Nominal pressure** 1 bar max.

Hard-PU SR40/SR45

vertical ± 30°

10 bar max. - float

stainless steel VR50

serial No.

300

MA-GB-

Date

Temperature of medlum 100°C max.

Switching potential Datasheet IN - GB - 003(004)

Operating voltage 12V ... 30V DC Measuring range 4-20 mA = 0-100%

Thermal element

Number of functions max. 3 can be incorporated

RB = U-12VLoad 20mA

Other temperature ranges on request

Mounting position

