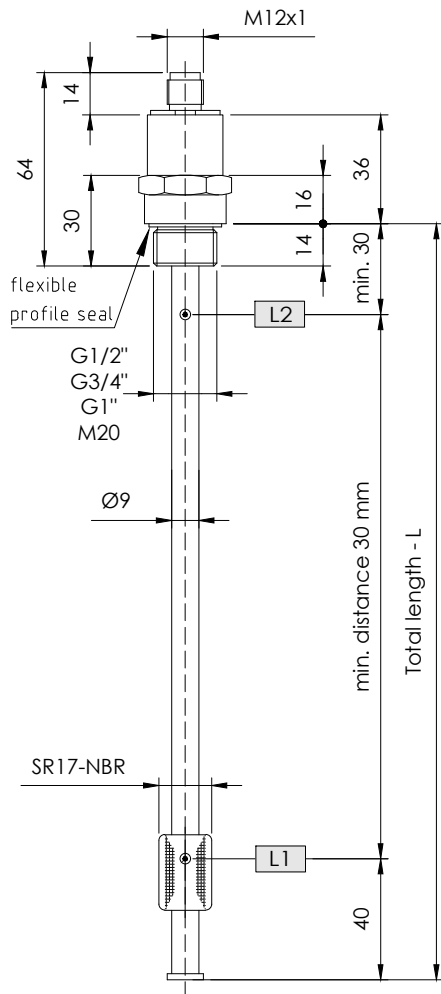


# NR 1/2" - 3/4" - G1" - M20 - TMA...

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

serial No. Date  
MA-GB- 300/0B 03/23



Order code

## Specimen order

**NR1/2"-TMA-SR17-L245-01M-L1/190/S-M12-24V**

Tank-connection:  
G1/2"  
G3/4"  
G1"  
M20

Float-Type  
SR17

Total Length-L  
switching tube (mm)

Level contact-Type  
01M = fixed-simple

Plug socket connector:  
M12 - 24V  
6+PE-DIN 43651

Operating voltage  
VDC 12-30 = 24V

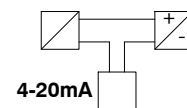
Switching point L1-L2/  
mm from sealing edge  
Ö = Öffner  
S = Schließer  
Function with  
increasing level

Plug assignment

## Plug assignment power supply

- 1 = Temperature
- 2 = +24VDC
- 3 - 4 = L1
- 3 - 5 = L2

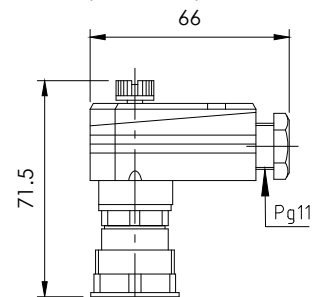
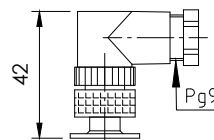
## Temperature



Connector variants

Plug connection  
6+PE IP65  
EN 175201-804  
(DIN 43651)

Plug connection  
M12 IP67  
5-polig



## Description

The type NR1/2" - 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.

For fixed contacts, the contact intervals and their function must be given.

The permanent magnet fitted in the float switches the contacts if the level changes. The switching difference (hysteresis) is 4 mm.

With the TMA version, the temperature-related signal output from a Pt100 mounted in the switch tube is converted to 4-20 mA by the built-in transducer.

The level regulator 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 be installed by specialists only.

Max. viscosity 150mm<sup>2</sup>/S

## Technical data

Switch tube  
Connecting thread

Brass, max. L = 800mm  
Brass: G 1/2", SW27  
Brass: G 3/4", SW32  
Brass: G 1", SW41  
Brass: M20 x 1,5

Nominal pressure  
Temperature of medium  
Float

1 bar max.  
80°C max.  
SR17 - NBR

Level contacts  
Switching current  
Switching capacity  
Operating voltage  
Measuring range  
Thermal element  
Load

max. 2, make / break  
max. 0,7A  
max. 10W/VA  
12V ... 30V DC  
4-20 mA = 0-100°C  
Pt100  
RB =  $\frac{U-12V}{20mA}$

Installed position

Vertical ± 30°

Other temperature ranges on request

Technical data



**GOLDAMMER**  
REGELUNGSTECHNIK GMBH

SCHÖLLERSHEIDER STR. 15 PHONE (49) 2104/12093  
P.O.BOX 10 02 17 FAX (49) 2104/12028  
D-40802 METTMANN www.Goldammer-Regelungstechnik.com  
info@goldammer-regelungstechnik.com