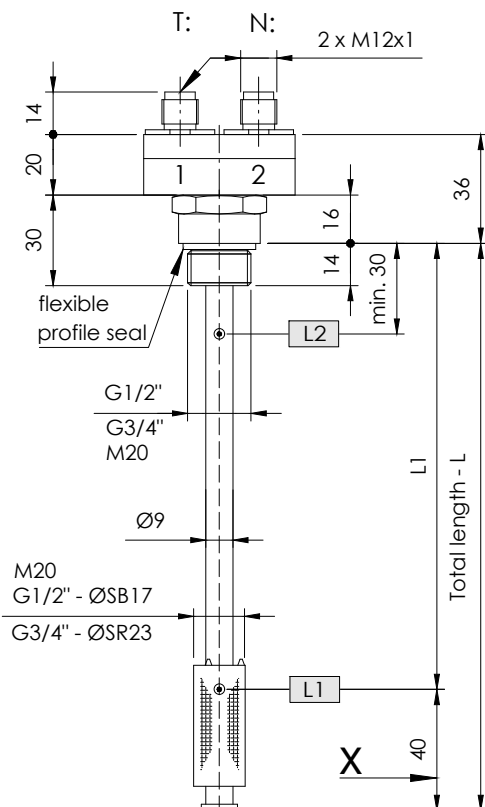


NR 1/2"A - 3/4"A - M20A

Level regulator for tank insert

serial No. Date
IN - GB - 100E - 04/23



Minimum distance of the contacts
see data sheet IN-GB-003.

$$X = L1 - L2 + 1 \text{ Thermal contact} + 60\text{mm}$$

$$L1 - L2 + 2 \text{ Thermokontakte} + 90\text{mm}$$

$$L1 - L2 + \text{Pt 100 / Pt 1000} + 55\text{mm}$$

When ordering Pt100 / 1000
indication of connection II or III - conductors.

Order code

Specimen order

NR1/2"A-L260-01-L1/200/S-T/70Ö-2M12-24V

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

Total length-L
of switching tube(mm)

Level contact type
01 = fixed, plain

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

Plug socket connector:
2xM12 - 24V

Operating voltage
VDC 10-36 = 24V

Pt100
Pt1000
Thermal contact
T10Ö
T40Ö
T50Ö
T60Ö (S) (preferred
T70Ö (S) break)
T80Ö (S)
T90Ö
(Indicate T1...-T2...
for two thermal contacts)

Description

The level regulator type NR 1/2", 3/4" M20 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, fixed in position. For fixed contacts, the contact intervals and their function must be given. The permanent magnet built into the float switches the contacts when the level changes. The switching difference (hysteresis) is 4 mm. For temperature monitoring and regulation, thermal elements such as thermal contacts or Pt100 / Pt1000 can be additionally incorporated. 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 only be installed by specialists.

Max. viscosity ISO 150mm²/S

Technical data

Switching tube
Connection

Nominal pressure
Temperature of medium
Float
Medium density
Level contacts
Operating voltage
Contact details
Thermal elements

Thermal contacts

Number of functions
Mounting position

Brass, max. L = 800mm
Brass: G1/2" , SW27
Brass: G3/4" , SW32
Brass: M20x1,5
1 bar max.
100°C max.
SB17, SR23 - Hart Pu
0,80 kg/dm³ min.
Bistable Make / Break contacts
36V DC
Datasheet: IN-GB-003
Pt100 / Pt1000 DIN EN 60751
Datasheet: IN-D-005
Switchpoint: ± 5K
Hysteresis: 20K ± 5K
max. 4 can be incorporated
vertical ± 30°

Technical data



GOLDAMMER
REGELUNGSTECHNIK GMBH

SCHÖLLERSHEIDER STR. 15
POSTFACH 10 02 17
D-40802 METTMANN

TELEFON 02104/12093
TELEFAX 02104/12028

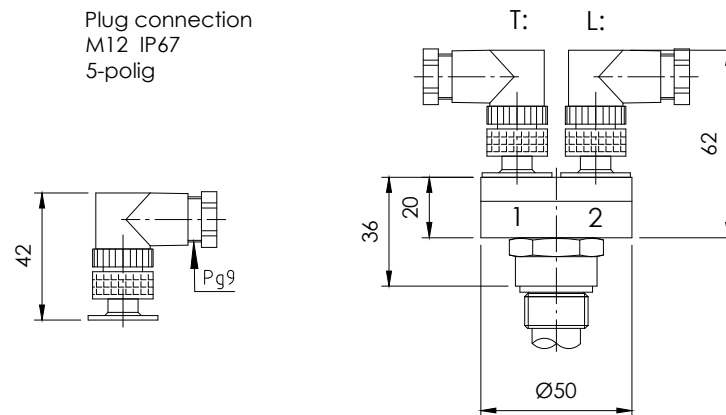
www.Goldammer-Regelungstechnik.com
info@goldammer-regelungstechnik.com

Level regulator

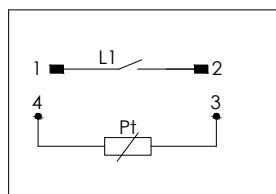
Plug variants and terminal pin assignment

serial No. Date
IN - GB - 100E - 04/23

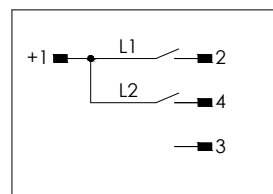
Standard pin assignment
Function with increasing level / temperature



Temperature 1



Level 2



Other pin assignments as required