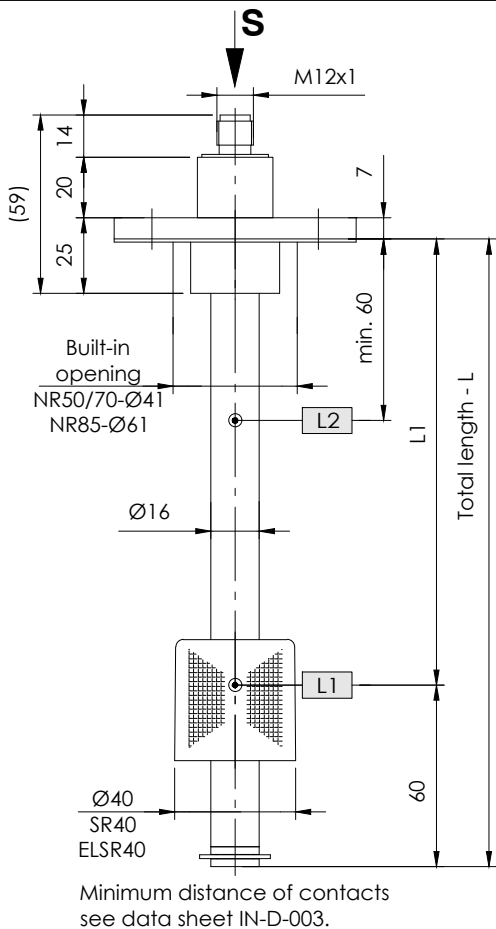


NR 50 / 70 / 85 - TMA

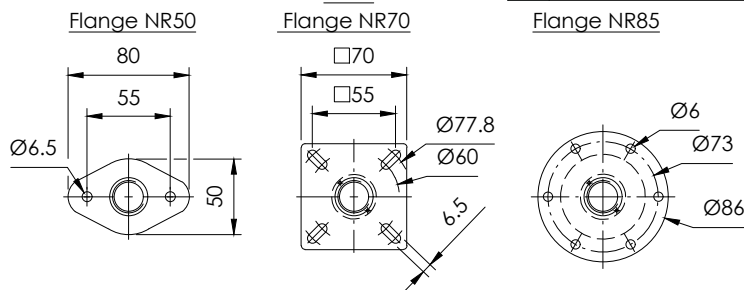
Level - temperature regulator for tank insert
Temperature output 4-20mA

serial No. Date
MA - GB - 300/1 06/24



Minimum distance of contacts see data sheet IN-D-003.

View **S**



Specimen order NR50-TMA-SR40-L370-OK-L1/300/S-MS-M12-24V

Order code

Tank-connection:
Flange NR50
Flange NR70
Flange NR85

Float-Type
SR40
ELSR40

Total Length-L
switching tube (mm)

Switching point L1-L2/
mm from sealing edge

Ö = break
S = make
Function with
increasing level

Level contact-Type

OK = cordless contact (Lmax.=500mm)
01 = fixed contact
03 = adjustable - simple

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

Execution:
MS - Brass
PA - Polyamide
Flange

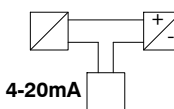
Plug assignment

Plug assignment
power supply

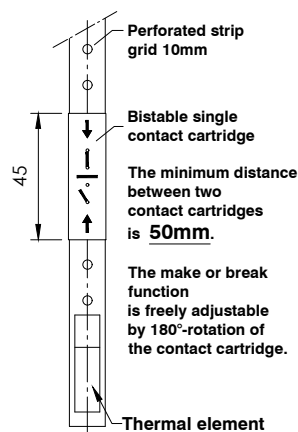
1 = Temperature
2 = +24VDC

3 - 4 = L1
3 - 5 = L2

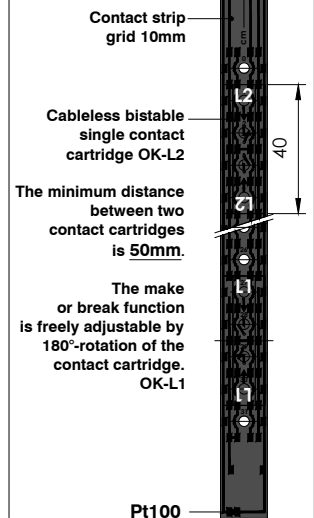
Temperature



Level contact
-03-

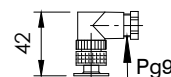


Level contact
-OK-

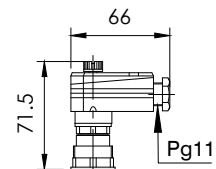


Connector variants

Plug connection
M12 IP67
5-polig



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



Description

The type NR 50 / 70 / 85 - 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. Contact cartridges can be adjusted in height at a later date.

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 (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 controller is maintenance free in the absence of media that cause encrustation.

A protective circuit is to be provided for inductive consumers (free-wheeling diode/RC element).

The device must only be installed by specialists.

Max. viscosity 150mm²/S

Technical data

Switch tube	Brass (MS), max. L = 1000mm
Connecting flange	NR50/NR70/NR85, (PA) Polyamide with flat seal
Nominal pressure	1 bar max.
Temperature of medium	100°C max.
Float	Hart-PU, Type: SR40 Ceramic, Type: ELSR40
Level contacts	OK - bistabil, 01 + 03, make / break max. 2 adjustable
Switching current	Datasheet IN-GB-003
Switching capacity	Datasheet IN-GB-003
Operating voltage	12V ... 30V DC
Measuring range	4-20 mA = 0-100°C
Thermal element	Pt100
Load	RB = U-12V 20mA
Number of functions	max. 3 adjustable
Installed position	vertical ± 30°

Other temperature ranges on request.

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