

NR 70

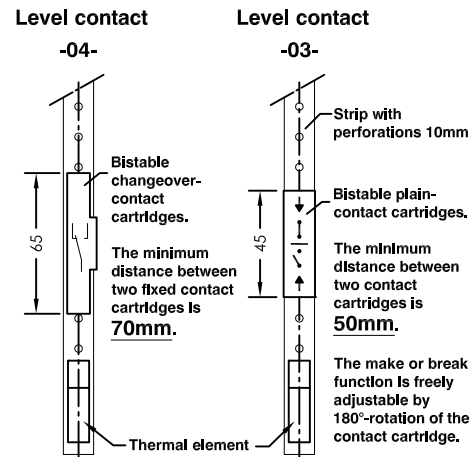
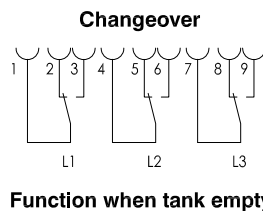
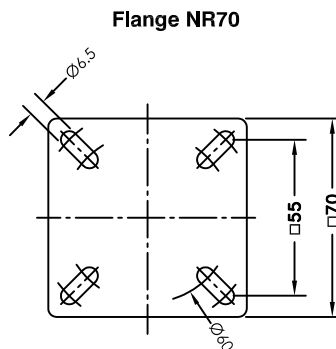
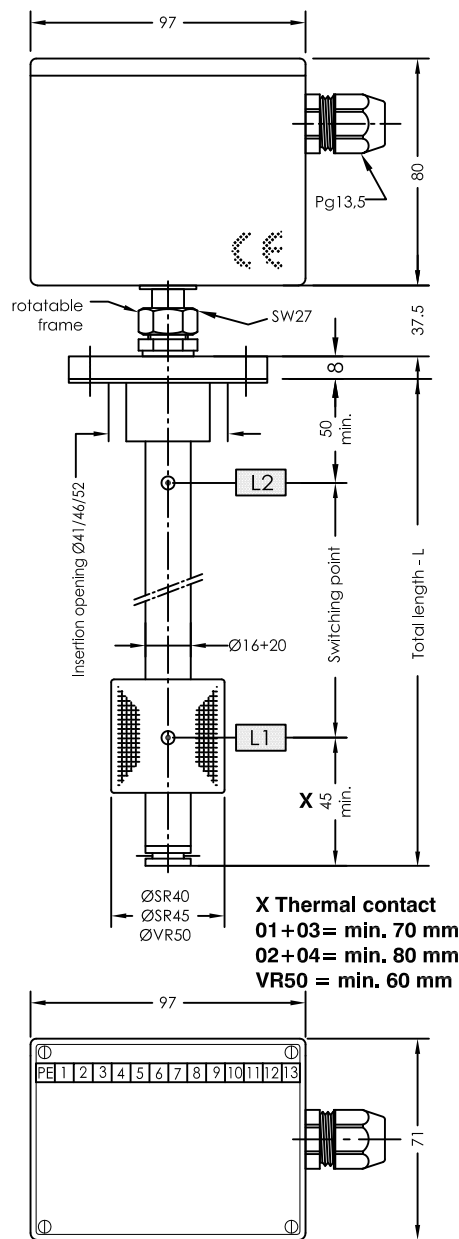
Level regulator for tank insert

Customer

Data sheet
IN-105 / S1

Speech
GB

Date
01/22



Specimen order

NR 70 - SR40 - L300 - 02 - L1/200/S - T70Ö - 24V

Float type	Pt100
SR40	Sensor
SR45	Thermal contact
VR50	T55Ö (S)
	T60Ö (S) (Ö preferred)
	T70Ö (S)
	T80Ö (S)
Total length-L switching tube (mm)	Switching point L1-L5/ mm from sealing edge
Level contact type	Ö = break
01 = fixed, plain	S = make
02 = fixed, changeover	W = changeover
03 = adjustable, plain	Function with
04 = adjustable, changeover	Increasing level

Description

The level regulator type NR 70 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 and regulation, thermal elements such as Pt100, Sensors and thermal contacts can be additionally incorporated. The level controller is maintenance - free when nondeposit media are used.

Technical data

Switching tube	Brass, Ø 16 max.L = 1000mm
Connection flange	Brass, Ø 20 max.L = 2000mm
Nominal pressure	Polyamide with flat seal
Temperature of medium	1 bar max.
Float	100°C max.
Level contacts	Hard-PU SR40/45, stainless steel VR50
Plug socket connector	bistable make/break/changeover
Switching current	optional fixed or adjustable
Switching potential	DIN 43650 or DIN 43651 IP65
Thermal elements	Contact type 01+03 0,5A maxl
Number of functions	Contact type 02+04 1A maxl
	Contact type 01+03 10 W/VA maxl
	Contact type 02+04 60 W/VA maxl
	250V AC/DC maxl
	Pt100, sensor, thermal contact
	max. 5 can be incorporated



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