



TOTAL INGENIEROS S.A.C

VENTAS, PROYECTOS, SERVICIOS EN INGENIERIA Y SISTEMAS DE REFRIGERACION

Industrial Refrigeration Control Components



Dofun

Atlas For Selecting Models

Shandong Dofun Refrigeration Technology Co Ltd



LS50 LS50 Liquid Switch

LS50

The LS50 Liquid Switch adopts a floating ball electromagnetic type, which transmits a switching signal according to the change of the liquid level to control the level of the liquid. The electromagnetic micro switch has two functions of normally closed and normally open.

LS50

The principle of the LS50 liquid level switch is to use the float ball as the sensing element. When

the float ball is in the liquid, it changes with the buoyancy of the liquid level. As the liquid level rises and falls, it drives the contacts to rise and fall; a permanent magnet is installed on the switch mechanism, when the float ball rises, the contacts enter the magnetic field of the magnet, and then the magnet closes the contacts quickly to make the switch act. When the liquid level drops, the return spring makes the magnet retract, thereby releasing the action of the switch mechanism and realizing the automatic control process of the liquid level.

Refrigerant

Applicable to various non-flammable refrigerants such as ammonia and non-corrosive gases and liquids, but pay attention to the use of corresponding sealing materials. Flammable hydrocarbons are not recommended.

Temperature Range -50 °C ~ +65

50°C ~+65°C Temperature Range -50°C~+65°C

Pressure Range

Max.Working pressure :28 bar g

Electrical Parameters

Microelectronic SPDT Switch 250 Va.c/10A

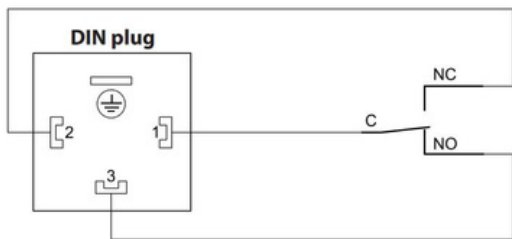
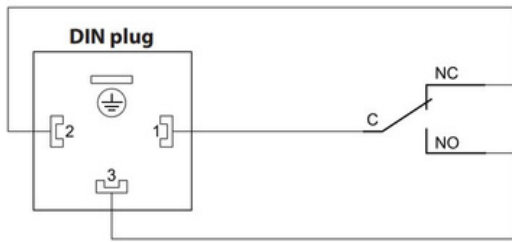
30 V d.c / 5 A There are two functions of

- normally open and normally closed DIN DIN standard junction box DIN43650 DIN43650

Cable Standard

PG11, 8-10mm

Cable:1.5mm²(16AWG)3 + PE , IP65



Float Level Difference

D=12.5mm $\tilde{50}$ mm 12.5mm,,
50mm

Adjustable D = 12.5mm ~ 50mm, Length is 12.5mm, Ex-factory setting is 50mm

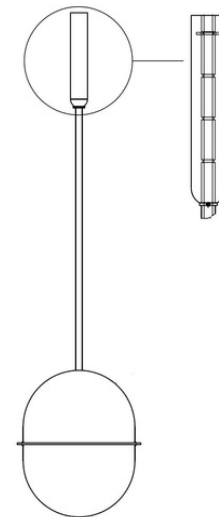
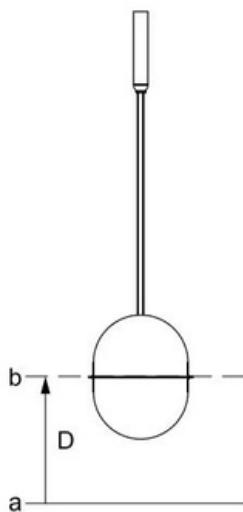
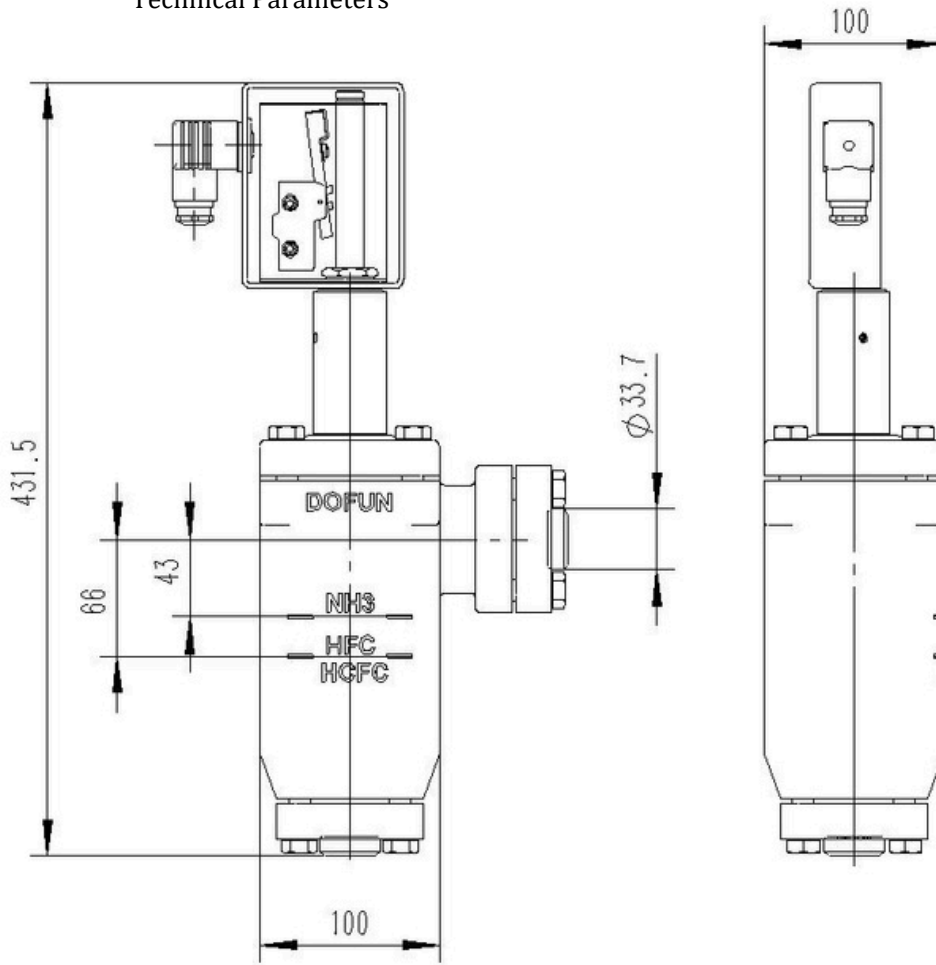


Figure 1: Plug Wiring



Principle

Technical Parameters



LS50	Size	ϕD	$\phi D1$	
			A	B
	20	20	27	25
	25	25	33.7	32