

- For limit level sensing of liquids in non-conductive plastic and glass vessels
- Miniature design in flexible housing, can be located on mildly bent surfaces
- The electrode system eliminates contamination in the vessel internal side
- Simple self-adhesive fixing
- Configuration and adjustment by third "programming" wire
- Level indication by LED diode

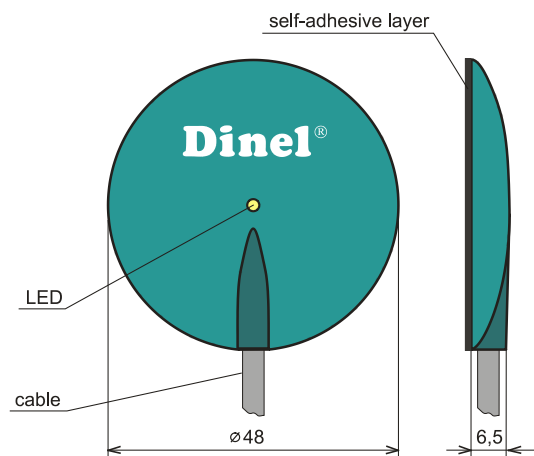


Flexible level sensor FLD-48 "Meduse" is designed for detecting level of various liquids in non-conductive vessels. It is made from polyurethane flexible housing with flexible self adhesive layer, enabling simple attachment on flat and mildly bent surfaces of the vessel walls. Special configuration of the sensing surfaces and control by means of single-chip microprocessor enable reliable detection of the media and concurrent elimination of settled contamination on the internal side of the vessel. Setting of the sensor's sensitivity is very – performed by attaching the programming wire on the positive or negative potential of the supply voltage. The sensor can be connected in the relay electrical circuit or on the control system binary inlet.

TECHNICAL SPECIFICATIONS

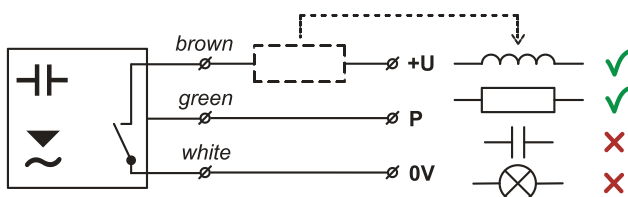
Supply voltage	6 ÷ 30 V DC
Current supply (static state)	max. 0,6 mA
Switching current (min. / max.)	3,3 / 40 mA
Remanet voltage in switched on state	max. 6 V
Maximum switching frequency	2 Hz
Ambient temperature range	-10 to +60°C
Vessel diameter for attaching the sensor	min. 200 mm
Max. thickness of the vessel wall	– conduction fusion: 8 mm – non-conduction fusion: 3 mm
Protection class	IP 67
Housing material	polyurethane
Connection cable type	PUR 3 x 0,14 mm ²
Weight (including 2m cable)	approx. 45g

DIMENSION DRAWING AND APPLICATION



ELECTRICAL CONNECTION

Positive supply pole (+U) is connected to the brown conductor, negative (0V) to the white. The sensor output is equipped with short circuit protection. The capacity loads and low resistance (bulb) is evaluated by the sensor as short circuit.



Note: In case of strong ambient electromagnetic interference, paralleling of conductors with power distribution, or for the distribution to distance over 30m, we recommend to use shielded cable.

