

FKY12-NP-FL

Capacitance level transducer



Safety Warning

- Do not use in an environment with flammable, explosive or corrosive gases.
- Do not use in an environment with oil or chemicals.
- Do not use in an environment with high humidity.
- Do not use in direct sunlight.
- Do not use under other environmental conditions that exceed the rated value.
- Do not disassemble, repair or modify the product without permission.

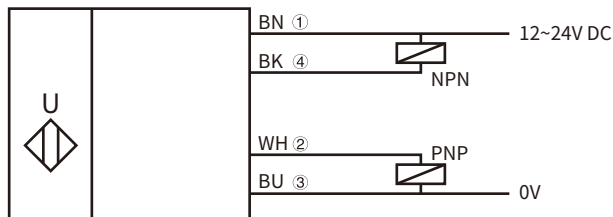
End-of-life Disposal

When the product is disposed of, please dispose of it as industrial waste.

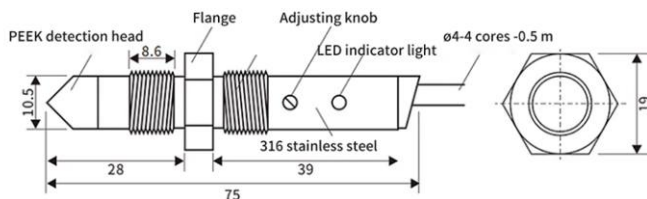
Specification

Detection Principle	Contact and Capacitive detection
Model	FKY12-NP-FL
Output method	NPN+PNP
Detection object	Glue, lubricant, ink, high viscosity, low corrosiveness materials
Detection distance	Contact detection
Pressure resistance	0-0.4Mpa
Supply voltage	12-24VDC
Sensitivity	Multi turn potentiometer adjustment
Reaction time	20ms
Pilot lamp	50HZ
Working power	Red: power indicator; Green: Output indicator
Working power	<0.5W
Maximum output current	100mA
Residual voltage	<1.5VDC (load current 100mA, wire 2m)
Internal protection	Reverse polarity protection, overcurrent protection
Housing material	PEEK+316L stainless steel
Ambient temperature	-25°C~70°C
Protection grade	IP65
Size	M12*75mm
Connection method	4-core2m PVC lead wire

Wiring Diagram



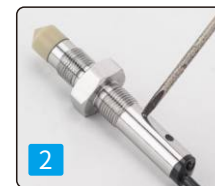
Dimensions



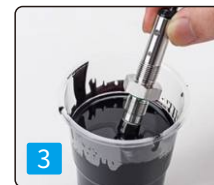
Adjust usage mode (In normally open mode)



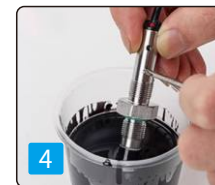
Connect the sensor power and observe the working indicator light



The light is not on: no operation
Light on: Rotate counterclockwise until the light goes out ,Can continue to rotate several times



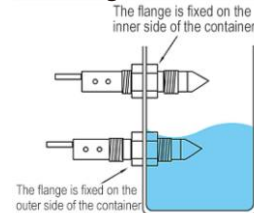
Place the probe into the liquid to be detected. If the light does not turn on, proceed to the next step. If the light turns on, rotate counterclockwise until the light goes out



Stop immediately when the clockwise adjustment knob light is on

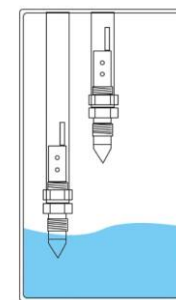
Installation diagram

Side Mounting

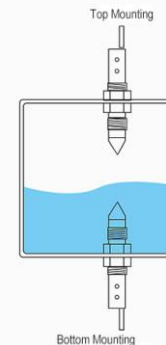


High/Low Level Installation

The casing needs to be set up by the customer



Top/Bottom Installation



NOTES

(The following situations cannot be used)

- Do not use in environments exceeding 80°C
- Do not use in environments where the pressure is higher than 0.63 MPa, or in vacuum and negative pressure conditions.
- There is glue that cannot be removed on the induction probe.

Product specifications are subject to change without notice.

For more information or if you have any questions or suggestions about this product, please feel free to contact us.