EFS 81 flow switch used the precision electronic components, reliable and stable circuit design, wich are widely used in aerospace, automotive, military and other high-tech fields, make the flow signal is more accurate and stable, at present the products have been widely used in iron and steel, metallurgy, pharmaceutical, chemical industry, ect.

EFS 81 flow switch is based on the principle of heat exchange design, probe the built-in heating module as well as the thermal module, heat dissipation of heating module and the flow velocity is closely related to the body. If there is no medium flow in the pipe, thermal circuit receivesa a fix value, when the fluid flows through the probe, thermal curcuit receives the signal changes over medium velocity, thermal curcuit will convert the temperature difference signals of heating module and thermal module into electrical signals, the processor will convert into PNP / NPN / RELAY signal output.



Applications :

Gas liquid dual use, it can be used for gas and hydraulic pressure system, circulating water, monitoring of the cutting fluid and lubricant.

EFS THERMAL FLOW SWITCH

EFS 81

Advantages :

* LED display
* Wetted parts are stainless steel
* There is no moving parts
* Easy to assemble
* Adjustable set point
* Low pressure decrease

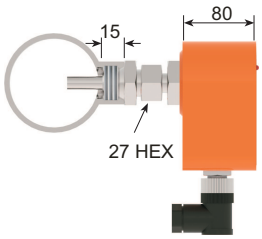
CE

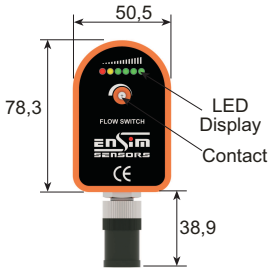
Model : 65-2026-004

Technical Specifications :

Measurement Range	Water : 0,3...3 m/sec Air : 2...3 m/sec Oil : 0,3...3 m/sec
Accuracy	± %1 , ± 0,1 m/s
Setting Time	3 min.
Max. Pressure	100 bar
Ambient temperature	(-) 20 °C ... (+) 80 °C
Material of Housing	PVC
Material of Wetted Parts	316 Stainless Steel
Setting	With potentiometer
Output	PNP - NO / NC Relay - NO / NC Opt. NPN-NO/NC
Concact Current	5A / 250 VAC 30 VDC For Relay Max. 250 mA For PNP or NPN
Power Supply	24 VDC (Std.) Opt. 220 VAC
Consumption Current	<60 mA
Response Time	2 (2...10)sec
Max.Temperature Change Gradient of Medium	300 K/min.
Output Protection	Reverse, Short, Overload
Electrical connection	M12 Socket
Protection Class	IP 67

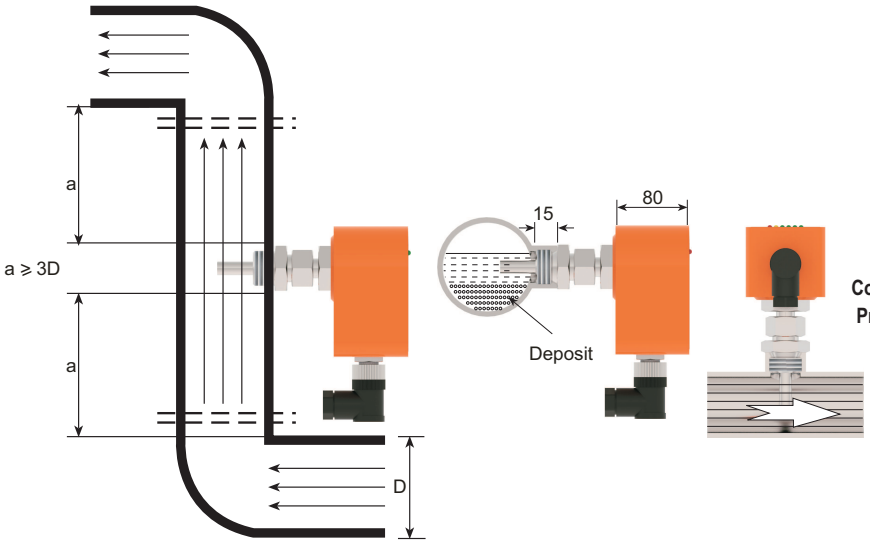
Dimensions :



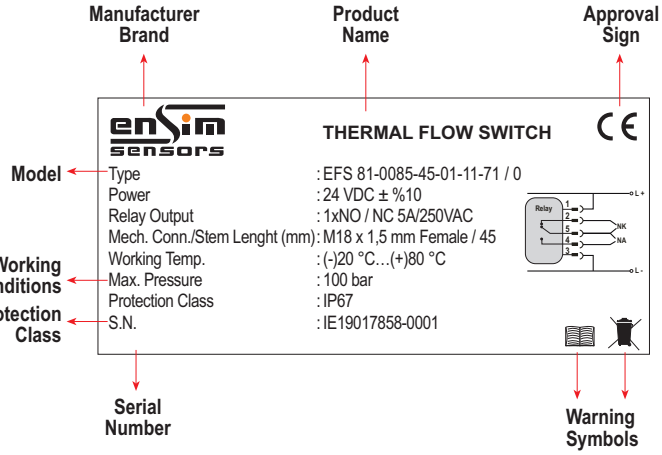




Mounting :

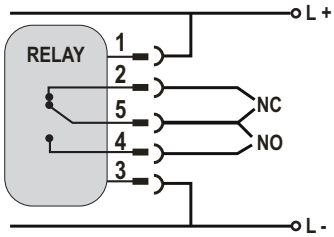


Product Label :

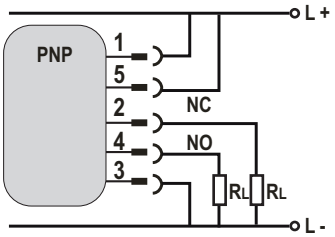


Electrical Connection :

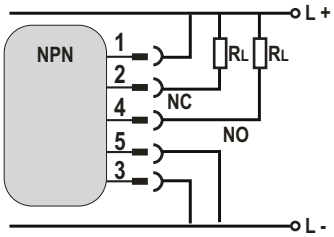
Power Supply: 24 VDC Switching Voltage : Max. 5A / 250 VAC-30 VDC



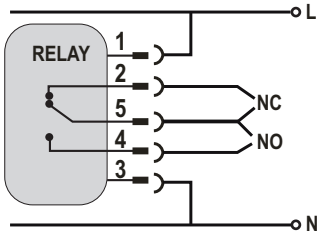
Or



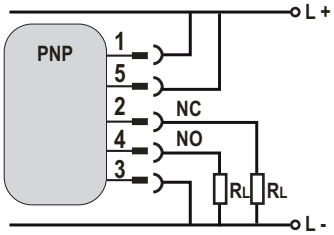
Or

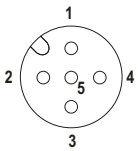


Power Supply : 85-265VAC
Output : Max. 5A / 250 VAC - 30 VDC



Power Supply : 24 VDC
Output : Max. 250 mA









* Do not supply until the connection is coupleted.

* Avoid contact of output cables due to short - cut.

Order Form: Please consider sample models when coding!..

1 MODEL EFS

Std. 81

2 CONNECTION

M18 x 1,5 mm Femake (Std.).....0085
1/4” BSP Male Thread.....0002
1/2” BSP Male Thread.....0004
Special.....x

3 STEN LENGTH (mm) L

45 mm (Std.).....45
Special.....x

4 POWER SUPPLY

24 VDC (Std.).....01
85 - 265 VAC - High Active.....02
85 - 265 VAC - Low Active.....03

5 OUTPUT

PNP - NO / NC 05
Relay - NO / NC 11
Special.....x

6 ELECTRICAL CONNECTION

M12 x 5 Pin Vertical Type Socket (Std.).....71
Special.....x

7 PROTECTION CLASS

IP67.....1

8 MAX.WORKING PRESSURE

1000 bar.....1

9 OPTIONAL

None...../ 0
Special...../ x

EXAMPLE

EFS 81-0085-45-01-05-71-1-1/0
Thermal Flow Switch, 24 VDC , L=45 mm , PNP-NO/NC , IP67

LONCA PAZ.MAK.SAN.TİC.A.Ş.
Ferhatpaşa Mah. 37 Sok. No:78/A 34888 Ataşehir - İSTANBUL / TÜRKİYE
Phone: +90 216 50 50 555 / E-Mail : lonca@ensim.com.tr Web : www.ensim.com.tr