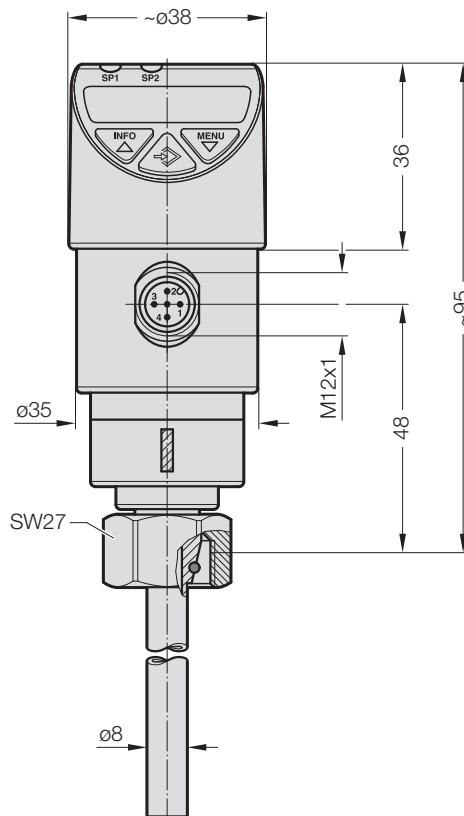


CONTROLLABLE GAS SPRINGS FLOW SWITCH, ELECTRONIC



2489.00.75



Pin assignment



1	U+	Supply connection, positive
2	SP2	Switch output 2
3	U-	Supply connection, negative
4	SP1	Switch output 1

TECHNICAL DATA:

Electrical connection

electrical connection port M12x1 (4-pin)

Electrical safety

Short-circuit proof: S+ / SP1 / SP2 against U-

Reverse polarity protection: U+ against U-

Insulation voltage: DC 500 V

Overvoltage protection: DC 40 V

Operating conditions

Permitted temperature ranges

Measuring material: -20 ... +85 °C (-4 ... +185 °F)

Environment: -20 ... +80 °C (-4 ... +176 °F)

Storage: -20 ... +80 °C (-4 ... +176 °F)

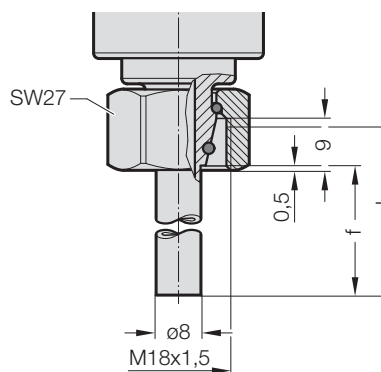
Max. working pressure Seal

30 bar (435 psi)

FPM/FKM

Process connections

Standard	Thread	Sensor length f	Installation length l
ISO 225-1	M18x1,5	45 mm	~52 mm



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NOTE:

Order connecting cable 2191.00.12.04.030, straight, 3m long separately.

APPROVALS:



DESCRIPTION:

EU Declaration of Conformity

- EMC Directive EN 61326 Emission (Group 1, Class B) and Immunity (Industrial)
- RoHS Guideline

UL

- Safety (e.g. electrical safety, excessive pressure, ...)

COUNTRY:

European Union

USA and Canada

OUTPUT SIGNALS:

Switch output

Standard PNP

Switch output

SP1 SP2

Flow Temperature

DESCRIPTION:

Flow monitoring for liquid cooling system 2489.00.50.

Flow switch, electronic 2489.00.75 enables reliable and process-capable flow monitoring for liquid cooling system 2489.00.50. If the flow falls below or exceeds the set flow, the switching output activates the downstream control or press control. This prevents damage and production losses due to overheated controllable gas springs in the tool.

Temperature monitoring

By means of a temperature output, the coolant temperature can be monitored without having to equip another measuring point.

Measuring ranges

Flow

Water: 0,05 ... 1,50 m/s

Oil: 0,03 ... 3,00 m/s

The factory calibration is carried out with the medium water. Adjustment via the menu to the min/max flows of the system is recommended.

Temperature (Option)

-20 ... +85 °C (-4 ... +185 °F)

Display

14-segment LED, red, 4-digit, character height 9 mm (0.35 in) – display can be rotated electronically by 180°.