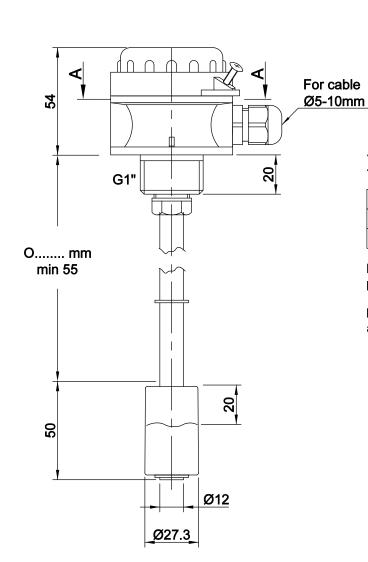
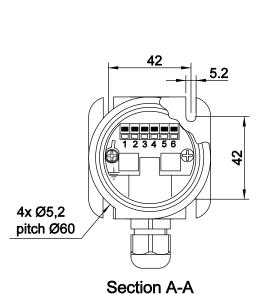
HEMOMATIK Sweden			Liquid level and temperature switch	Art.nr.	HMFB-OTSO		
			O= mm	Drawing nr.	HMFB-OTSO	Rev.	3
Approved	P.L.130613	Scale 1:2	TSO ordered as separate part.	Date	130613	Sign.	MEM
			For switchpointmm, see label	Rev. date	211008		





= Switch closed

12 34

TSO temperature switch see separate list

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= Switch open

# TSO50 TSO70 TSO60 TSO75 TSO65 TSO90

TEMPERATURE SWITCH TS ordered as separate part:

List of selectable over-temperature protections (others on reqest).

Ex) TSO65= Normally close, open above 65°C ±5. Reset diff. max 10°C.

# **FEATURES**

Float liquid level sensor with REED-technology to activate pumps or valves via relays or PCs. Recommended for oil and petroleum fluids.

# **MATERIALS**

Stem : Brass

Float: Buna-N (nitrofuel), S.G. 0,42

Junction box : Polyamid 6

Gasket : Nitrile

Temp. media : -20...+100°C Temp. ambient : -20...+70°C

### **CONTACT SYMBOLS**

S = means NC low, NO going upwards O = means NO low, NC going upwards

V = change over

#### **PROTECTION DEGREE**

Junction box : IP67 Stem : IP68

#### **ELECTRICAL DATA**

Contact rating *	10 VA / W				
Supply voltage	3-24 VDC				
max current	1 A				

#### \* = resistive load

Note. Above values are for resistive loads. Mechanical life is 30 millions. Use series resistor for lamp load, or other suitable protection for inductive loads if the rating is higher than 1/10 of the values above.