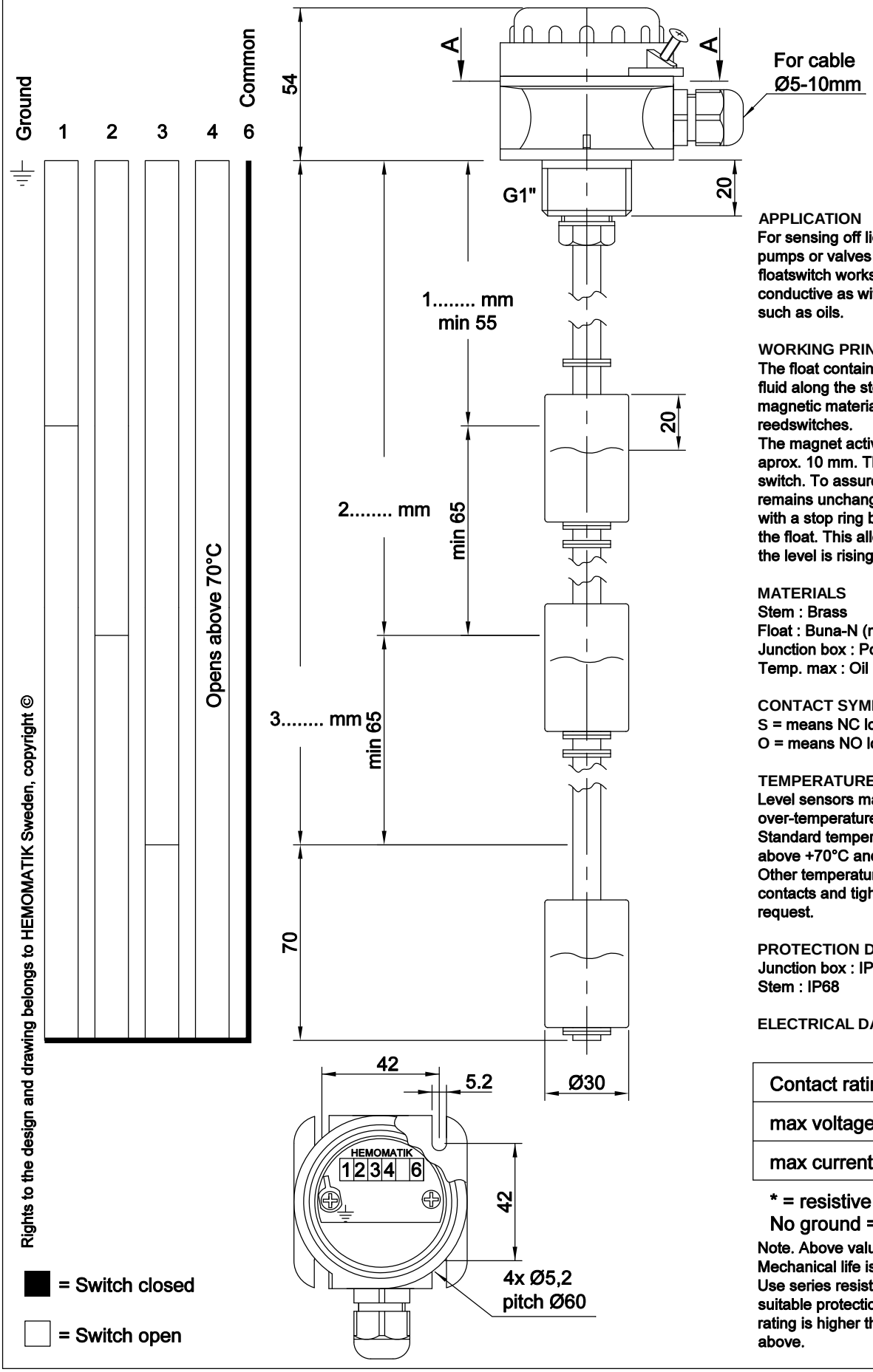
HEMOMATIK Sweden	Liquid level switch	Art.nr. HMFB-3T	
	1=..... mm, 2=..... mm, 3=..... mm, T=70°C	Drawing nr. HMFB-3T	Rev. 3
Approved P.L. 971016 / Scale 1:2	Specify S or O switch	Date 971014	Sign. MEM
	For switchpoint .....mm, see label	Rev. date 171205	

CE



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■ = Switch closed

□ = Switch open

APPLICATION
For sensing off liquid levels to activate pumps or valves via relays or PCs, a floatswitch works equally well with conductive as with non-conductive fluids such as oils.

WORKING PRINCIPLE
The float contains a magnet. It follows the fluid along the stem. The stem is a non magnetic material with 1 to 5 built-in reedswitches.
The magnet activates each reedswitch for aprox. 10 mm. This is called a passing switch. To assure that the contact status remains unchanged the stem is provided with a stop ring below respectively above the float. This allows to determine whether the level is rising or falling.

MATERIALS
Stem : Brass
Float : Buna-N (nitrofuel)
Junction box : Polyamid 6
Temp. max : Oil +100°C

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

TEMPERATURE SWITCH
Level sensors may be equipped with built in over-temperature protection, if specified.
Standard temperature switches open above +70°C and reset at +50°C.
Other temperature settings or closing of contacts and tighter tolerances upon request.

PROTECTION DEGREE
Junction box : IP67
Stem : IP68

ELECTRICAL DATA

Contact rating *	80 VA
max voltage	250 V
max current	1,3 A

* = resistive load
No ground = max 50 V

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.