

# IS Heat Detector IP67 HC 100 A2-IS IP67

Part no. 5200047-00A

# General description

The HC 100 A2-IS IP67 is an intrinsically safe conventional heat detector for use with all Salwico Fire Alarm Systems.

The detector is designed for use in areas with high explosion risk. It is connected via an intrinsically safe interface.

It is delivered complete with adapter and base. In this version of HC 100 the detector and adapter are moulded together and filled with a special moulding compound that gives it high resistance against humidity and vibrations. The detector can not be separated from the adapter. The HC 100 A2-IS IP67 is suitable for location in harsh environments.

The heat sensing element is of thermistor type with a short response time to changes in the ambient temperature. Alarms are optically indicated until they are reset on the central.

The detector is environmentally adapted in aspects of the selection of material and design.

The mesh is very easy to change and clean which simplifies maintenance.

## Data

Function	Conventional
Nominal voltage	24 V DC
Working voltage	12–28 V DC
Alarm temperature	57 °C
Classification	A2, EN54-5:2017
Cert. TÜV	14ATEX 138197 X IECEx TUN 14.008 X
Working current	< 25 µA
Alarm current	Max 54 mA
Ingress protection	IP67, IEC60529:2001

Ambient humidity
Temperature range
Material
Colour
Weight
Certified according to

95% RH at 55°C -25 °C to +70 °C PC/ABS White 420 g ± 5%

System: All Salwico Fire Alarm Systems

**CE**<sub>08</sub> 2531-11 0470 CPR-232.1711 DOP no. 6301902

The expected life time of the product is affected by the environment it is mounted in.

For installation issues, refer to System Connection data (S-4-011 851 System Connection)

# Safety data

Max input voltage (U <sub>i</sub> )	25.2 VDC
Max input current (I <sub>i</sub> )	93 mA
Max input power (P <sub>i</sub> )	585 mW
Max internal capacitance $(C_i)$	2.67 nF
Max internal inductance $(L_i)$	Negligible
EX-class	€ II 1G EEx ia IIC T5 Ta: 70°C

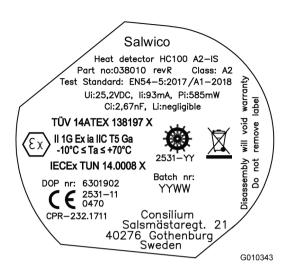
Responsible manufacturer

Consilium Fire & Gas, www.consilium.se

WARNING!

#### Potential electrostatic charging hazard

- Do NOT clean with solvents.
- Do NOT charge by rubbing.
- Clean ONLY with a damp cloth.



## Connection

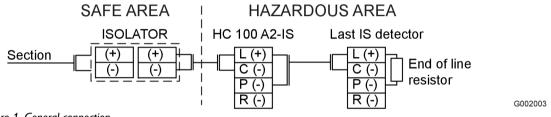
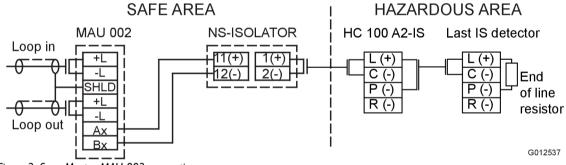


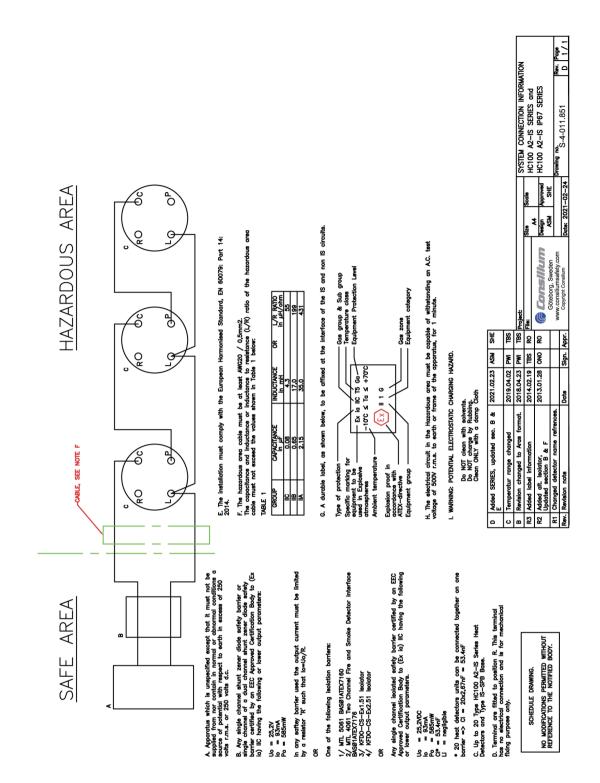
Figure 1. General connection



# Figure 2. ServoMaster MAU 002 connection

#### NOTE!

Use MAU 002 setting 4 and a 5.6 kOhm end of line resistor when HC100 A2-IS and a N1770 Isolator are connected to the collective loop.



G014925

# Dimensions (mm)

