1(3) DATA SHEET



IS Heat Detector

Salwico HC100 A2-IS

Part no. 038010

System: C300, C308, C316, CS3000, CS3004, CS4000, NSAC-1, Salwico Cargo, Salwico Cruise, Salwico Workboat, Salwico Yacht

Description

The HC100 A2-IS 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.

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.

Data

Function Conventional 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 $< 25 \mu A$ Alarm current Max 54 mA Ingress protection IP55

Ambient humidity 95% RH at 55 °C Temperature range -10 °C to +70 °C

Certified according to

2531/yyyy yyyy = year of production

Only suitable base is IS SPB Base, part no 5201044-00A

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

Safety data

Max input voltage (U_i) 25.2 V DC

Max input current (I_i) 93 mA

Max input power (P_i) 585 mW

Max internal capacitance 2.67 nF

 (C_i)

Max internal inductance Negligible

 (L_i)

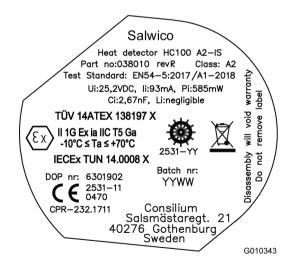
EX-class E II 1G Ex ia IIC T5 Ga -10 °C \leq T_a \leq +70 °C



WARNING!

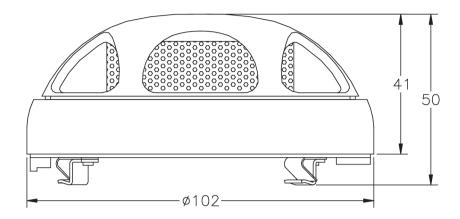
Potential electrostatic charging hazard

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



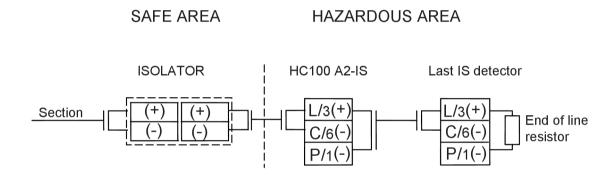
DATA SHEET 2(3)

Dimensions (mm)



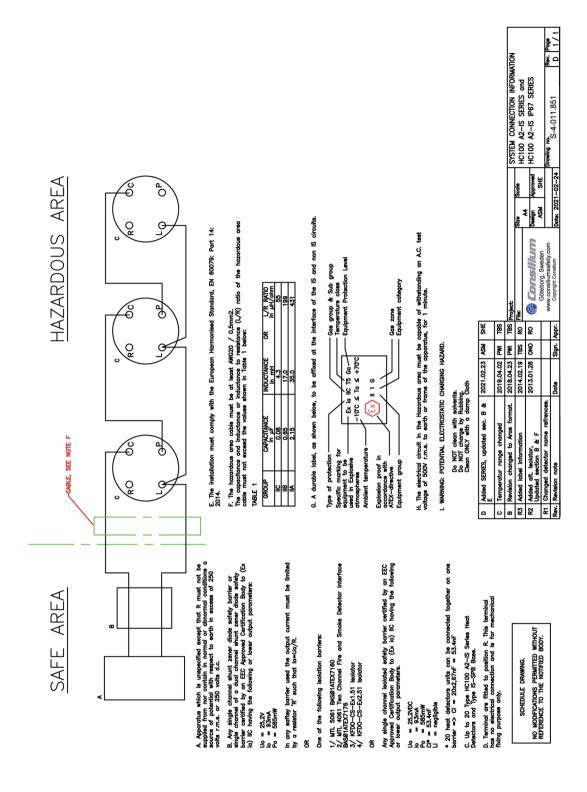
G007429

Connection



G007430

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