G002018

IS Heat Detector IP67
Salwico HC 100 A2-IS IP67

Part no 5200047-00A

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

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. Connected via an intrinsically safe interface the detector has the classification code:

(Ex) II 1G EEx ia IIC T5

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 VDC
Working voltage	19–28 VDC
Alarm temperature	57°C
Classification	A2, EN54-5:2000
Cert. NEMKO	06ATEX1267X
Ingress protection	IP67, IEC60529:2001
Working current	< 25 µA
Ambient humidity	95% RH at 55°C
Temperature range	-25°C to +70°C
Material	PC/ABS
Colour	White
Weight	~420 g
Certified according to	⊚ 0845

Safety data

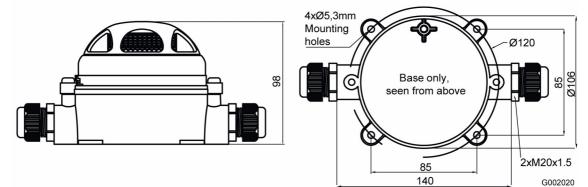|	
Max input voltage (U_i)	25.2 VDC
Max input current (I_i)	93 mA
Max input power (P_i)	585 mW
Max internal capacitance (C_i)	53.4 nF
Max internal inductance (L_i)	Negligible
EX-class	(Ex) II 1G EEx ia IIC T5 Ta: 70°C
Responsible manufacturer	Consilium Fire & Gas, www.consilium.se

Cleaning
Only clean outside of detector by using a damp cloth.

The specifications described herein are subject to change without notice.

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Dimensions (mm)

4xØ5,3mm
Mounting
holes

Ø120

98

Base only,
seen from above

85
Ø106

85

140

2xM20x1.5

G002020

Connection

| SAFE AREA | | HAZARDOUS AREA | |

ISOLATOR   HC 100 A2-IS   Last IS detector

Section

| (+) | (+) |
| (-) | (-) |

| L (+) |
| C (-) |
| P (-) |
| R (-) |

| L (+) |
| C (-) |
| P (-) |
| R (-) |

End of line
resistor

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