C-GI ADDR Ex H Intrinsically Safe Loop Isolator

Product reference	
Part No.	5600963-00
Manufacturer	Consilium / Salwico
Model	C-GI ADDR Ex H



G021323

Product overview

C-GI ADDR Ex H is a safe-area intrinsically safe isolator for Salwico addressable fire detectors and manual call points.

Key features

- This sheet follows the manufacturer M_EN_2024_C edition; I0 application systems remain a separate reference.
- Apply the complete output/load, conductor-separation and terminal conditions below; retain all three original M pages.
- Printed Ex references do not establish current certificate validity.

Technical specifications

Load-limit applicability	Full limits apply if the external circuit has no combined lumped Li and Ci above 1% of the listed limits; OR L/C is distributed as cable; OR only lumped L or only lumped C is combined with cable.	M-edition compatible systems	CS3000; CS4000; NSAC-1; Salwico Cargo; Salwico Cruise; Salwico LNG; Salwico Offshore; Salwico Ro/Pax; Salwico Workboat; Salwico Yacht; Salwico Navy; OEM Extinguish
Printed Ex marking / ambient	II (1) G;[Ex ia Ga] IIC;-40 °C ≤ Ta ≤ +60 °C. This marking range is separate from the Data operating range -25 °C to +60 °C; no Zone rating inferred.	Installation location	Non-hazardous (safe) area; interface to Salwico IS addressable detectors/manual call points and IS line units.
Loop supply / working voltage	Loop-powered from fire alarm panel, no separate supply. 27–38 V DC; nominal 36 V DC. Voltages are DC unless specified otherwise.	Group IIB connected-load limits	Capacitance 640 nF; inductance 17 mH OR L/R ratio 199 µH/Ω. The separate 300 nF communication condition still applies.
Other combined-lumped circuits	In other situations with combined lumped inductance/capacitance, up to 50% of each listed L and C value is allowed.	IS / non-IS conductor separation	Minimum 50 mm separation; conductors between cable entrance and terminals must be as short as possible and must not cross sides.
Loop / IS output terminals	Loop IN:11(+),12(-); Loop OUT:13(+),14(-); IS line output:41(+),42(-). Preserve the original safe-area/IS-side drawing.	Original module dimensions	99 mm overall height;111 mm side length;22.6 mm front width. Original subdimensions:93.1 mm vertical and107 mm horizontal.
Printed certificate references	IMQ 19 ATEX 051; IECEx IMQ 19.0011; IEC 60079-0 and IEC 60079-11. Source references, not a claim of current validity.	Loop capacity	Maximum 5 isolators per addressable detector loop; up to 20 IS line units per isolator.
IS communication capacitance	To avoid communication-signal loss, capacitance on the intrinsically safe side must not exceed 300 nF.	Manufacturer Article Number	5600963-00
Max IS output voltage Uo	28 V	Max IS output current Io	92.8 mA
Max IS output power Po	649.8 mW	Group IIC connected-load limits	Capacitance 77 nF; inductance 4.3 mH OR L/R ratio 55 µH/Ω.
Data ambient temperature	-25 °C to +60 °C	Material / colour	Polyamide (PA); Black RAL 9005 / Grey RAL 7042.
Internal Ci / Li	Maximum Ci 5.14 nF; Li negligible.	Cable terminals	Maximum 2.5 mm² conductor
Ambient humidity	≤95% RH, non-condensing	Ingress protection	IP20
Weight	100 g ±5%		