CD-CGI ADDR Enclosed Intrinsically Safe Loop Isolator

Product reference	
Part No.	5600965-00
Manufacturer	Consilium / Salwico
Model	CD-CGI ADDR



Product overview

CD-CGI ADDR is a safe-area IS interface for Salwico addressable fire detectors/manual call points; this sheet uses the Marine_EN_2.0 M edition, with I0 scope separate; apply the complete safety/wiring conditions below and preserve all four original M pages; current certificate validity is not established.

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.	Loop capacity	Maximum 5 isolators per addressable detector loop; up to 20 IS line units per isolator. Actual quantity depends on hazardous-area cable length and must be verified by Ex-calculation.
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. Place cable glands as in the original dimension drawing.	IS-cable screen / earth	Connect the hazardous-area cable screen to its dedicated enclosure earth bolt. Keep the screen open circuit at the last IS unit; maximum screen length inside enclosure10 cm.
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	Enclosure materials	Base:polycarbonate; cover:glass-fibre-reinforced polycarbonate; seal:polyurethane; cover screws:glass-fibre-reinforced polyamide; colour:grey.
Loop-screen termination	If loop IN/OUT cable has a screen, terminate it on the supplied loop-screen connector. Do NOT connect this loop screen to the enclosure earth bolt.	Separate earthing routes	Original drawing D:closest Intrinsically Safe Earth point; E:screen to dedicated enclosure earth bolt; F:closest earth point. Preserve the original separate routes.
Terminal and mounting drawings	Terminals:IN11(+)/12(-),OUT13(+)/14(-),IS41(+)/42(-). Original bottom view:4×Ø5 mm mounting holes;95 mm horizontal dimension and165 mm spacing, as drawn.	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.	Cable armour	Bond armour of all armoured cables to the appropriate internal earth points on both sides for EMC and intrinsic safety.
Internal cable routing	Original compartments:1 fire-system cables only;2 no cables;3 IS-unit cable only. The assembly itself is installed in the safe area.	Printed isolator marking	II 1G [Ex ia Ga] IIC;0051 as printed. Preserve source marking; no current certificate validity or installed Zone inferred.
IS communication capacitance	To avoid communication-signal loss, capacitance on the intrinsically safe side must not exceed 300 nF.	Internal isolator spare	5600963-00 C-GI ADDR Ex H; separate complete SKU, not an alias for CD-CGI ADDR.
Manufacturer Article Number	5600965-00	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.	Enclosure operating temperature	-40 °C to +60 °C, per this Marine_EN_2.0 complete-unit datasheet.
Enclosure ambient humidity	0–100% RH	Weight	850 g ±5%, including internal components
Overall dimensions	110 mm wide ×235 mm high ×95 mm deep, including cable gland.	Internal Ci / Li	Maximum Ci 5.14 nF; Li negligible.
Cable terminals	Maximum 2.5 mm² conductor	Storage temperature	-40 °C to +70 °C
Ingress protection	IP55	Cable glands	M20; cable diameter6–13 mm.