



G018827

## Gas sampling expansion module

# C-ICO-GS

Part no. 5100362-00A

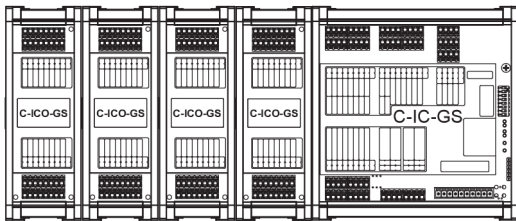
System: CGS50/500

### General Description

The C-ICO-GS expansion modules are used with the expanded version of the C-IC-GS module in the gas sampling system. The expansion modules are connected to and controlled by the C-IC-GS module.

The C-ICO-GS modules control the sampling point valves as well valves for fresh air inlets and internal sampling point.

Up to four C-ICO-GS expansion modules can be connected to the C-IC-GS, supporting up to 64 sampling points (including fresh air inlet(s) and internal sampling point).



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### Data

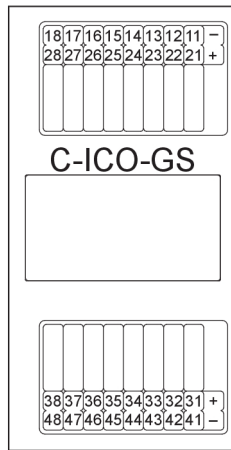
Operating voltage range	22–30 V DC (supplied from C-IC-GS)
Max DC load (resistive) per channel	0.5 A / 24 V DC (max 2 channels active at the same time)
Current consumption (at 24V)	2 mA (quiescent)
Power consumption	48 mW (at 2 mA / 24V)
Operating temperature range	-20 °C to +55 °C
Storage temperature range	-40 °C to +70 °C
Ambient humidity	0 to 95% RH
Material	Polyamide (housing)
Colour	Black/gray
Weight	100 g ± 5%
Dimensions (W × H × D)	56 × 142 × 48 mm
Cable terminals	1.5 mm <sup>2</sup>

### Connections

The C-ICO-GS expansion module provides I/O connections for:

- Up to 16 sampling points
- 2 outputs can be used for fresh air (standard + optional)
- 1 output can be used for an internal sampling point (in cabinet)

The use of the C-ICO-GS module outputs is dependent on the system configuration.



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### Example

Below is an example of C-ICO-GS connections in a two-pump system.

- Two C-ICO-GS expansion modules
- Two manifold blocks (odd numbers on manifold block A and even numbers on manifold block B)
- 24 sampling points, v 101 – v 124
- Internal sampling point
- Two fresh air inlets

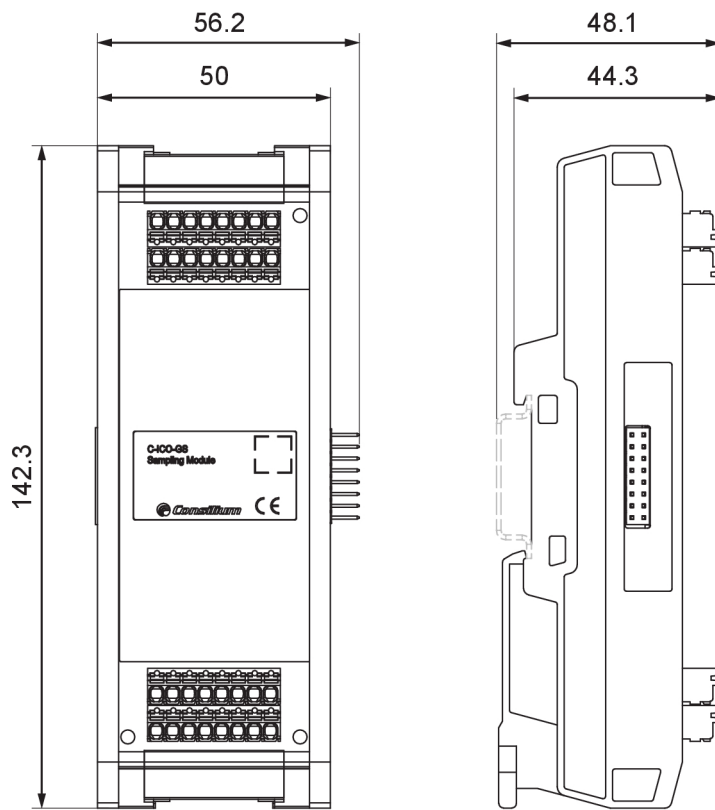
C-ICO-GS terminal no		C-ICO-GS module 1	C-ICO-GS module 2
–	+	Manifold block B:	Manifold block B:
11	21	v 2.2 (optional fresh air)	v 114
12	22	v 100 (internal SP)	v 116
13	23	v 102	v 118
14	24	v 104	v 120
15	25	v 106	v 122
16	26	v 108	v 124
17	27	v 110	
18	28	v 112	
+	–	Manifold block A:	Manifold block A:
31	41	v 2.1 (fresh air)	v 115
32	42	v 101	v 117
33	43	v 103	v 119
34	44	v 105	v 121
35	45	v 107	v 123
36	46	v 109	
37	47	v 111	
38	48	v 113	



#### NOTE!

For I/O connections on the C-IC-GS gas sampling module, see datasheet 5100361-00A.

## Dimensions (mm)



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