



Certificate of Compliance to IEC 61508

FM Approvals
Certifies herewith that the

Intelligent Sensor for Combustible Gas with HART Communications
Model S4000CH
(Safety Manual [MANHCSAFETY])

Complies with the relevant requirements of standards listed below:

Standards	Description	Compliance
IEC 61508-1 2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- General Requirements	Part 1
IEC 61508-2 2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems	Part 2
IEC 61508-3-2010	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- Software Requirements	Part 3

And therefore

**IS DECLARED "FIT FOR USE" IN A SIL 3, 2 or 1
1oo1 Low Demand SAFETY APPLICATION**

Models	SIL	HFT	SFF	PFD	λ_S	λ_{DD}	λ_{DU}
S4000CH	3, 2, 1	0	99.8%	1.4×10^{-4}	2.5×10^{-5}	1.1×10^{-5}	8.8×10^{-8}

*This certificate is subject to conditions of use presented in FM Approval Report
Project ID 3034949 3055292*

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Date



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