

Certificate of Compliance to IEC 61508

FM Approvals
Certifies herewith that the

IRIS Models S550B, S552B, S556B Flame Scanners
(Safety Manual [SM-55XB])

Complies with the relevant requirements of standards listed below:

Standards	Description	Compliance
IEC 61508-1 1997	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- General Requirements	Part 1
IEC 61508-2 2000	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems	Part 2
IEC 61508-3-2000	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

Model	PFD	SFF	λ S	λ DD	λ DU
S550B	1.98E-4	>99%	1.06E-5	8.07E-9	9.06E-9
S552B	1.83E-4	97.4%	3.09E-7	8.07E-9	8.39E-9
S556B	1.93E-4	>99%	1.04E-5	8.07E-9	8.31E-9

*This certificate is subject to conditions of use presented in FM Approval Report
Project ID # 3039295*



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Approval Granted



Member of the FM Global Group

3039295-S55XB