



Maxon – A Honeywell Company  
 201 E. 18<sup>th</sup> St.  
 Muncie, IN 47302

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# Certificate of Compliance to IEC 61508

**FM Approvals**  
 Certifies herewith that the

IRIS Models S550BE, S552BE, S556BE Flame Scanners  
 (Safety Manual [66-2064])

**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  
 1oo1 Low Demand SAFETY APPLICATION**

Models	SIL	HFT	SFF	PFD	$\lambda_s$	$\lambda_{DP}$	$\lambda_{DU}$
S550BE	3	0	>99%	1.98E-4	1.06E-5	8.07E-9	9.06E-9
S552BE	3	0	97.4%	1.83E-4	3.09E-7	8.07E-9	8.39E-9
S556BE	3	0	>99%	1.93E-4	1.04E-5	8.07E-9	8.31E-9

*This certificate is subject to conditions of use presented in FM Approval Report  
 Project ID # 0003050024*

*J.E. Marquedant*  
 J.E. Marquedant  
 Manager, Electrical Systems  
 FM Approvals, Member of the FM Global Group  
 1151 Boston-Providence Turnpike  
 Norwood, MA 02062

*19 August 2014*  
 Approval Granted

3050024-S55XBE