



Maxon-A Honeywell Company
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 United States

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Certificate of Compliance to IEC 61508

FM Approvals
 Certifies herewith that the

U2-101xS Flame Scanner

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
 1oo1 Low Demand SAFETY APPLICATION

Models	SIL	HFT	SFF	PFD	λ_s	λ_{DD}	λ_{DU}
U2-1010S U2-1010S-PF	3	0	99.96%	1.20×10^{-4}	1.23×10^{-5}	3.34×10^{-7}	5.38×10^{-9}
U2-1012S U2-1012S-PF	3	0	99.68%	1.16×10^{-4}	1.64×10^{-6}	1.77×10^{-9}	5.32×10^{-9}
U2-1016S U2-1016S-PF	3	0	99.95%	1.15×10^{-4}	1.06×10^{-5}	1.74×10^{-9}	5.27×10^{-9}
U2-1018S U2-1018S-PF	3	0	99.95%	1.16×10^{-4}	1.16×10^{-5}	1.77×10^{-9}	5.32×10^{-9}

This certificate is subject to conditions of use presented in FM Approval Report
 Project ID 0003055071

15 June 2015


 J.E. Marquedant
 Manager of Electrical Systems
 FM Approvals
 1151 Boston-Providence Turnpike,
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 Date