

CERTIFICATE OF COMPLIANCE

Certificate Number 20151119-4786827453
Report Reference E203310 -20151119-Description
Issue Date 2015-November-19

Issued to: Cooper MEDC |
Sutton Parkway, Oddicraft Lane
Sutton-In-Ashfield, NG17 5FB, GB |

**This is to certify that
representative samples of** Sounder |
DB3B |

Have been investigated by UL in accordance with the
Standards indicated on this Certificate.

Standard(s) for Safety: IEC 61508: 2010, "Functional safety of
electrical/electronic/programmable electronic safety-related
systems", 2nd Edition |

Bruce A. Mahrenholz, CPO Director, North American Certification Programs

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Additional Information: Complies with the requirements for the following functional safety ratings:

- SIL Capability 1, as defined by IEC 61508:2010
- Safety integrity data:
HFT = 0
SFF = 65.9%
PFH = 1.16e-7/h
PFD = 5.09e-4 (proof test interval of 8760h)
 $\lambda_S = 218.0$ FIT
 $\lambda_{DD} = 6.5$ FIT
 $\lambda_{DU} = 116.1$ FIT

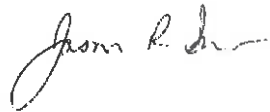
In a redundant installation and redundant mode of use of two units of DB3B, SIL 2 capability regarding architectural integrity and systematic capability can be achieved. The PFH or PFD value is to be calculated and verified based on installation and operational profile.

The product must be installed, operated, and maintained, in accordance with the instructions for use. See the UL Online Certifications Directory at www.ul.com/database for additional information.

Reviewed by:



Thomas Maier
Principal Engineer



Jason R. Smith
Staff Engineer

Bruce A. Mahrenholz, CPO Director, North American Certification Programs

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