Number of pages in this package ____ [including additional pages ____] (Fill in when using printed copy as record)

CLIENT INFORMATIO	N
Company Name	HMS Industrial Networks Ab
Address	STATIONSGATAN 37
	HALMSTAD, SE-30245
	SWEDEN

AUDIT INFORMATION:				
Description of Tests	Per Standard No.	UL50E	Edition/ Revision Date	2/2015-10- 16
		CSA C22.2 No 94.2-07		2/2015-10- 16
[X] Tests Conducted by ¹	Thomas Pursche			
 UL Staff conducting or witnessing testing (WTDP, TMP, WMT only) UL Staff supervising UL Staff in training 				
[]Authorized Signatory (CTDP, TPTDP, TCP, PPP, SMT)				
	Printed Name	5	Signature. In CTDP, TPTDP, TMP,	clude date for TCP, PPP, WMT, SMT

TESTS	TO BE	CONDUCTED:	
			[] Comments/Parameters
Test			[] Tests Conducted by ²
No.	Done ³	Test Name	[X] Link to separate data files ⁴
1	2017	HOSEDOWN TEST	\\EUHRVD201\HRVOffice\Laboratory
	-09-		\Year 2017\212138 - 4787695988
	25		HMS Industrial Networks Ab

Instructions -
1 - When all tests are conducted by one person, name can be inserted here instead of including
name on each page containing data.
2 - When test conducted by more than one person, name of person conducting the test can be
inserted next to the test name instead of including name on each page containing data. Test dates
may be recorded here instead of entering test dates on the individual datasheet pages.
3 - Use of this field is optional and may be employed differently. If used to include a date
instead of entering the testing date on the individual datasheet pages, the date shall be the
date the test was conducted.
4 - Link to separate data files for a test can be inserted here. The link must be to a server
that is accessible to UL staff, that provides for backup, required retention periods and a path,
including file name, that does not change and result in a broken link. Not applicable to DAP.

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Description of Tests	Per Standard No.	UL50E	Edition/ Revision Date	2/2015-10- 16
		CSA C22.2 No 94.2-07		2/2015-10- 16

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Date

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TEST LOCATION: (7	o be comple	ted by St	aff Conduc	ting the	Testing)	
[X] UL or Affilia	te []WTDP	[]CTDP	[]TPTDP	[]TCP	[]PPP	
	[]WMT	[]TMP	[]SMT			
Company Name:	UL Internat	ional DE	MKO A/S			
Address:	Borupvang 5	A, 2750	Ballerup, B	Denmark		

TEST EQUIPMENT INFORMATION

[X] UL test equipment information is recorded on Meter Use.

[] UL test equipment information is recorded on <<insert location and local laboratory equipment system identification.>>

		Test Number +, Test			
Inst.	Instrument	Title or	Function	Last Cal.	Next Cal.
ID No.	Туре	Conditioning	/Range	Date	Date

+ - If Test Number is used, the Test Number must be identified on the data sheet pages or on the Data Sheet Package cover page.

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID No. below corresponds to the Inst. ID No. above.

Inst. ID No.	Make/Model/Serial Number/Asset No.

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File E203225

Tested by:

TEST SAMPLE IDENTIFICATION:

The table below is provided to establish correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Card No.	Date Received	[] Test No.+	Sample No.	Manufacturer, Product Identification and Ratings
1028737	2017- JUL-06	1	1	HMS, Anybus Bolt AWB2xxx, 9-30 VDC, 1,7 W

+ - If Test Number is used, the Test Number or Numbers the sample was used in must be identified on the data sheet pages or on the Data Sheet Package cover page.

[] Sampling Procedure -

[] This document contains data or information using color and if printed, should be printed in color to retain legibility and the information represented by the color.

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Form Page 4					Form	Revised:	2	017-08	3-31
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Only those products bearing the UL Mark should be considered as being covered by UL.

Date

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Tested by:		Date
HOSEDOWN TEST		Sec. 8.6
PRECONDITIONING		

Is Misalignment test required (see clauses 7.4.2.3, 7.4.2.4, and 8.15 of UL50E)?

[] Yes - Conduct Misalignment Test prior to Hosedown Test

[X] No - Continue with Hosedown Test

METHOD

A sample of the test enclosure and its external mechanisms was subjected to a stream of water from a hose having a 25 mm (1 inch) inside diameter nozzle delivering at least 240 L (65 gallons) per minute. The water stream was directed at all joints* of the enclosure from a distance of 3.0 to 3.5 m (10 to 12 feet) and was moved along each joint one time at a uniform nominal rate of 6 mm/s (1/4 inch / s).

The test length and test time are as tabulated below:

Joint Description	Dimension	mm	No. of	Test length,
		(inches)	sides	mm (inches)
[] At back of Enclosure	Height		(x_)	
	Width		(x_)	
[] At Enclosure sides	Depth		(x_)	
	Height		(x_)	
[] Cover / Door	Width		(x_)	
	Height		(x_)	
[] Cover / Door latches, handle				
[] Mounting means with kit				
[X] Equipment, 360degrees around the	circumfere	230		230
sealing area	nce			
Total test length, mm (inches)				
Test time, min				38 sec
(Total test length) / (6 mm/s)				

* Note that identical joints/seams can be considered representative of each other when determining the test duration. Specifically, where joints and seams are identical, only the representative joint or seam is included in the calculation of the test duration. In this case, the water stream shall not be directed at those joints and seams not included in the calculation.

[] Conduit was installed to equalize internal and external pressure but it did not serve as a drain. No sealing compound, other than that normally provided by the manufacturer, was used.

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Date

Tested by:

HOSEDOWN TEST (CONT'D):

Sec. 8.6

The tightening torque used for screws and screw type fasteners of doors and covers shall be in accordance with the following table of the manufacturer's specification:

Screw	Intended Tool	Torque
No. 6	Screwdriver	1.36 N•m (12 lbf-in)
No. 8	Screwdriver	2.26 N•m (20 lbf-in)
Other than No. 6 or No. 8	Screwdriver	3.96 N•m (35 lbf−in)
Unslotted, bolthead screw,	Wrench or	18.1 N•m (160 lbf-in)
direct-bearing or securing a	screwdriver	
clamp		

Measured tightening torque for screws and screw type fasteners of doors and covers:

Location:	Required (Nm)(ft-	According to Table or	Measured (Nm)(ft-lb):
	1b):	Mfg. Spec.	
Mounting nut	5 Nm	Mfg spec	As received from client

RESULTS

Test no.	1	2	3
Sample no.	1	N/A	N/A
Enclosure mounting	HORIZONTAL	N/A	N/A
orientation			
	38SEC	N/A	N/A
Test duration, min			
Water inside enclosure?	[]Yes [X]No	[]Yes []No	[]Yes []No
Location(s) of water		N/A	N/A
entry			
Amount of water in		N/A	N/A
enclosure cavity			
Comments: Tested 2017-09-2	25 by Thomas Pursche		

Lab Conditions: 21°C, 60%RH, 1023mbar, water 20.6°C

[X] The results of test nos. [1] $\frac{[2] - [3]}{[2] - [3]}$ on the Type [4] [4X] enclosure were considered acceptable because no water was observed inside the enclosure cavity at the conclusion of the test.

[] The results of test nos. [1] [2] [3] on the Type [4] [4X] were not considered acceptable because water was found inside the enclosure cavity at the conclusion of the test.

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END OF DATASHEET PACKAGE. THIS PAGE INTENTIONALLY LEFT BLANK

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