

European 'Ex' ATEX Certification Data

	Sensor Types	Sensor Types	Sensor Types	Sensor Types
*** Refers to the sensor type suffix e.g. P, DP, LP etc.	All certified versions prefixed MSH2-***	All certified versions prefixed MSH2ia-***	All certified versions prefixed MSH-***	All certified versions prefixed MSHia-***
Approval body	FTZU	FTZU	SIRA	SIRA
Certificate Number	FTZU 14 ATEX 0213U	FTZU 14 ATEX 0213U	SIRA 04ATEX1357U (Ex & EN50271 / SIL1)	SIRA 04ATEX1357U (Ex & EN50271 / SIL1)
Test Standards	EN60079-0:2012+A11:2013	EN60079-0:2012+A11:2013	EN60079-0:2012+A11:2013	EN60079-0:2012+A11:2013
	EN 60079-1:2014	EN 60079-1:2014	EN60079-1:2014	EN60079-1:2014
	EN 60079-11:2012	EN 60079-11:2012	EN60079-11:2012	EN60079-11:2012
	EN 50303:2000	EN 50303:2000	EN60079-26:2015 EN 50271:2010 (except Type MSH)	EN60079-26:2015 EN 50271:2010 (except Type MSHia)
Certification Codes	I M2 Ex db I Mb	I M1 Ex db ia I Ma	I M2 Ex db I Mb	I M1 Ex db+ia I Ma
	II 2 G Ex db IIC Gb	II 2 G Ex db IIC Gb	II 2 G Ex db IIC Gb	II 2 G Ex db IIC Gb
Input parameters	0.8W max, 30V max.	Ui=6V dc, Pi=0.8W	0.8W max, 30V max.	Ui=6V dc, Pi=0.8W
Operating temperature	-20 to +60 deg. C	-20 to +60 deg. C	-20 to +60 deg. C	-20 to +60 deg. C
Note	Input parameters are defined for certification purposes only. Refer to the individual sensor data sheet 'Specification' tables for the sensor operating voltage and temperature range.			

International IECEx Certification

	Sensor Types	Sensor Types	Sensor Types	Sensor Types
*** Refers to the sensor type suffix e.g. P, DP, LP etc.	All certified versions prefixed MSH2-***	All certified versions prefixed MSH2ia-***	All certified versions prefixed MSH-***	All certified versions prefixed MSHia-***
Approval body	FTZU	FTZU	SIRA	SIRA
Certificate Number	IECEX FTZU 15.0002U	IECEX FTZU 15.0002U	IECEX SIR 05.0053U	IECEX SIR 05.0053U
Test Standards	IEC 60079-0:2011	IEC 60079-0:2011	IEC 60079-0:2011	IEC 60079-0:2011
	IEC 60079-1:2014-6	IEC 60079-1:2014-6	IEC 60079-1:2014-6	IEC 60079-1:2014-6
	IEC 60079-11:2011	IEC 60079-11:2011	IEC 60079-26:2014-10	IEC 60079-26:2014-10
Certification Codes	Ex db I Mb	Ex db ia I Ma***	Ex db I Mb	Ex db+ia 1Ma
	Ex db IIC Gb	Ex db IIC Gb	Ex db IIC Gb	Ex db IIC Gb
Input parameters	0.8W max, 30V max.	Ui=6V dc, Pi=0.8W	0.8W max, 30V max.	Ui=6V dc, Pi=0.8W
Operating temperature	-20 to +60 deg. C	-20 to +60 deg. C	-20 to +60 deg. C	-20 to +60 deg. C
Note	Input parameters are defined for certification purposes only. Refer to the individual sensor data sheet 'Specification' tables for the sensor operating voltage and temperature range.			

North American Certification

	Sensor Types	Sensor Types
*** Refers to the sensor type suffix e.g. P, DP, LP etc.	All UL certified versions prefixed MSH- *** or MSH2-***	All UL certified versions prefixed MSHia- *** or MSH2ia-***
Approval Body	Underwriters Laboratory Inc.	Underwriters Laboratory Inc.
File Reference	E336365	E336365
Test Standards	UL 60079-0, 4th Edition	UL913, 7th Edition
	UL 60079-1, 6th Edition	UL 60079-0, 4th Edition
	CAN/CSA-C22.2 No. 60079-0-1-7	UL 60079-11, 2nd Edition
	CAN/CSA-22.2 No. 60079-1, Part 1, 1st Edition	CAN/CSA-C22.2 No. 157-92
Hazardous Locations	Class 1, Zone 1, AEx d IIC and Ex d IIC	Class I, II, III, Division 1 Class 1, Zone 0, AEx a IIC, T4 with 60 deg. C ambient
Input / Entity Parameters	0.8W max, 30V max.	Ui=6V dc, Pi=0.8W, Ci=4.105uF, Li=0 mH