



# Certificate of Compliance

**Certificate:** 80159823

**Master Contract:** 151079

**Project:** 80159823

**Date Issued:** 2023-05-09

**Issued To:** Endress+Hauser SE+Co. KG  
 Hauptstrasse 1  
 Maulburg, Baden-Württemberg, 79689  
 Germany

**Attention:** Steve Czaniecki

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:** Anil Sodhi  
 Anil Sodhi

**PRODUCTS**

- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations– Certified to U.S. Standards

**Class I, Division 1, Groups A,B,C,D ; Class II, Division 1, Groups E,F,G; Class III T6...T1**  
**Ex db IIC T6...T1 Ga/Gb**  
**Class I, Zone 0/1 AEx db IIC T6...T1 Ga/Gb**

Product	<b>Micropilot FMR6xB-aabbcddefghijjkl+ mmmnooppqrrssttuuvvww: where,</b>		
	x	(model type)	0, 2, 3, 6, 7
	aa	(approval)	CD, C1
	bb	(output)	BA, DA, FA
	c	(display; operation)	A, C, D, E, F, N
	d	(transmitter housing; mat'l)	B, J, K, M, N
	e	(electrical conn.)	H



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

f	(application)	FMR60B: B, D, F, H, J, L FMR62B: B, D, J, L, N, P, R, T, V, W FMR63B: B, D, J, L, V, W FMR66B: F, H FMR67B: F, J, L, N, P
gg	(antenna)	FMR60B: GA, GE, GF FMR62B: GA, GM, GN, GT FMR63B: GE, GM, GN, GQ, GR FMR66B: GA FMR67B: GA, GP, GT
h	(surface refinement)	FMR60B: not used FMR62B: not used FMR63B: alphanumeric characters (not relevant for safety) FMR66B: not used FMR67B: not used
ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
k	(sealing antenna)	FMR60B: D, G, J, P FMR62B: B, D, J, P, U FMR63B: B, C, D, G, J, P FMR66B: D, G FMR67B: D, G, J, P, U
l	(air purge connection)	FMR60B: not used FMR62B: not used FMR63B: not used FMR66B: not used FMR67B: alphanumeric characters (not relevant for safety)
+ (additional options; any number of each of the following options may be chosen)		
mm	(operating language display)	alphanumeric characters (not relevant for safety)
nn	(application package)	alphanumeric characters (not relevant for safety)
oo	(calibration)	alphanumeric characters (not relevant for safety)
pp	(services)	alphanumeric characters (not relevant for safety)
qq	(test, Cert, declaration)	JL, JT or alphanumeric characters (not relevant for safety)
rr	(additional approvals)	alphanumeric characters (not relevant for safety)
ss	(accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
tt	(accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
uu	(regional device adaption)	alphanumeric characters (not relevant for safety)
vv	(firmware version)	alphanumeric characters (not relevant for safety)



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

	ww (marking)	alphanumeric characters (not relevant for safety)
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART) 10.5...35Vdc, 4...20mA DA (PROFIBUS PA) 9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6...T1 with standard ambient temperature range of $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option qq=JL; $-60^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option aa=CD and qq=JT) and process temperature range $-196^{\circ}\text{C} \leq \text{Tp} \leq +450^{\circ}\text{C}$ (dependent on antenna type).  Refer to installation drawing for specific T-code and extensions/limitations of temperature ranges based on selected device options.	
MWP and Process Seal	MWP: up to 100 bar	Single Seal
Installation Drawing	XA3113F (aa = CD) or XA3116F (aa = C1)	

**Conditions of Acceptability:**

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. Micropilot FMR6xB device shall be powered by certified Class 2 Power Supply as defined in the Canadian Electrical Code or National Electrical Code or by a CSA C22.2 No. 60950 -1/ UL 60950-1 or CSA/UL 62368-1 certified limited power source (LPS).
3. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.
4. Flameproof joints are not intended to be repaired.

**Class II, Division 1, Groups E,F,G; Class III T80°C... T450°C**

Product	<b>Micropilot FMR6xB-aabbccdefghhijkl+ mmmnooppqqrrssttuuvvww: where,</b>	
	x (model type)	6, 7
	aa (approval)	CG
	bb (output)	BA, DA, FA
	c (display; operation)	A, C, D, E, F, N
	d (transmitter housing; mat'l)	B, J, K, M, N
	e (electrical conn.)	H
	f (application)	FMR66B: F, H FMR67B: F, J, L, N, P
	gg (antenna)	FMR66B: BS, GA FMR67B: GA, GP, GT
h (surface refinement)	not used	



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

	ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
	k	(sealing antenna)	FMR66B: A, D FMR67B: D, G, J, P, U
	l	(air purge connection)	FMR66B: not used FMR67B: alphanumeric characters (not relevant for safety)
	+ (additional options; any number of each of the following options may be chosen)		
	mm	(operating language display)	alphanumeric characters (not relevant for safety)
	nn	(application package)	alphanumeric characters (not relevant for safety)
	oo	(calibration)	alphanumeric characters (not relevant for safety)
	pp	(services)	alphanumeric characters (not relevant for safety)
	qq	(test, Cert, declaration)	JL or alphanumeric characters (not relevant for safety)
	rr	(additional approvals)	alphanumeric characters (not relevant for safety)
	ss	(accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
	tt	(accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
	uu	(regional device adaption)	alphanumeric characters (not relevant for safety)
	vv	(firmware version)	alphanumeric characters (not relevant for safety)
	ww	(marking)	alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART) 10.5...35Vdc, 4...20mA DA (PROFIBUS PA) 9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T80°C... T450°C: with standard ambient temperature range of $-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$ , where option qq=JL) and process temperature range of $-196^{\circ}\text{C} \leq T_p \leq +450^{\circ}\text{C}$ . Refer to installation drawing for specific maximum surface temperatures and extensions/limitations of temperature ranges based on selected device options.		
MWP	MWP: up to 100 bar		
Installation Drawing	XA3115F		

**Conditions of Acceptability:**

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

2. Micropilot FMR6xB device shall be powered by certified Class 2 Power Supply as defined in the Canadian Electrical Code or National Electrical Code or by a CSA C22.2 No. 60950 -1/ UL 60950-1 or CSA/UL 62368-1 certified limited power source (LPS).

**Class I, Division 2, Groups A, B, C and D, T6...T1**

<b>Micropilot FMR6xB-aabbcddefghiiijkl+ mmmnooppqrrssttuuvvww: where,</b>			
Product	x	(model type)	0, 2, 3, 6, 7
	aa	(approval)	CD, C1, C2
	bb	(output)	BA, DA, FA
	c	(display; operation)	A, C, D, E, F, N
	d	(transmitter housing; mat'l)	B, J, K, M, N
	e	(electrical conn.)	H
	f	(application)	FMR60B: B, D, F, H, J, L FMR62B: B, D, J, L, N, P, R, T, V, W FMR63B: B, D, J, L, V, W FMR66B: F, H FMR67B: F, J, L, N, P
	gg	(antenna)	FMR60B: BS (aa = C2 only), GA, GE, GF FMR62B: GA, GM, GN, GT FMR63B: GE, GM, GN, GQ, GR FMR66B: BS (aa = C2 only), GA FMR67B: GA, GP, GT
	h	(surface refinement)	FMR60B: not used FMR62B: not used FMR63B: alphanumeric characters (not relevant for safety) FMR66B: not used FMR67B: not used
	ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
k	(sealing antenna)	FMR60B: A (aa = C2 only), D, G, J, P FMR62B: B, D, J, P, U FMR63B: B, C, D, G, J, P FMR66B: A (aa = C2 only), D, G FMR67B: D, G, J, P, U	
l	(air purge connection)	FMR60B: not used FMR62B: not used FMR63B: not used FMR66B: not used FMR67B: alphanumeric characters (not relevant for safety)	
+ (additional options; any number of each of the following options may be chosen)			



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

	mm	(operating language display)	alphanumeric characters (not relevant for safety)
	nn	(application package)	alphanumeric characters (not relevant for safety)
	oo	(calibration)	alphanumeric characters (not relevant for safety)
	pp	(services)	alphanumeric characters (not relevant for safety)
	qq	(test, Cert, declaration)	JL or alphanumeric characters (not relevant for safety)
	rr	(additional approvals)	alphanumeric characters (not relevant for safety)
	ss	(accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
	tt	(accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
	uu	(regional device adaption)	alphanumeric characters (not relevant for safety)
	vv	(firmware version)	alphanumeric characters (not relevant for safety)
	ww	(marking)	alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART) 10.5...35Vdc, 4...20mA DA (PROFIBUS PA) 9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6...T1 with standard ambient temperature range of $-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$ , where option qq=JL) and process temperature range $-196^{\circ}\text{C} \leq T_p \leq +450^{\circ}\text{C}$ (dependent on antenna type).  Refer to installation drawing for specific T-code and extensions/limitations of temperature ranges based on selected device options.		
MWP and Process Seal	gg = BS: MWP up to 3 bar gg ≠ BS: MWP up to 100 bar	gg = BS: no process seal rating gg ≠ BS: Single Seal	
Installation Drawing	XA3113F (aa = CD), XA03114 (aa = C2) or XA3116F (aa = C1)		

**Conditions of Acceptability:**

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. Micropilot FMR6xB device shall be powered by certified Class 2 Power Supply as defined in the Canadian Electrical Code or National Electrical Code or by a CSA C22.2 No. 60950 -1/ UL 60950-1 or CSA/UL 62368-1 certified limited power source (LPS).



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations  
**CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations– Certified to U.S. Standards

**Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III T6...T1  
 Ex ia IIC T6 Ga  
 Class I, Zone 0 AEx ia IIC T6...T1 Ga**

Micropilot FMR6xB-aabbcd <del>efgh</del> ij <del>kl</del> + mmnnooppqrrsstuuv <del>vw</del> : where,			
Product	x	(model type)	0, 2, 3, 6, 7
	aa	(approval)	CB, C1, C2
	bb	(output)	BA, DA, FA
	c	(display; operation)	A, C, D, E, F, M, N, O
	d	(transmitter housing; mat'l)	B, J, K, M, N
	e	(electrical conn.)	aa = CB: B, C, F, H aa = C1, C2: H
	f	(application)	FMR60B: B, D, F, H, J, L FMR62B: B, D, J, L, N, P, R, T, V, W FMR63B: B, D, J, L, V, W FMR66B: F, H FMR67B: F, J, L, N, P
	gg	(antenna)	FMR60B: BS (aa = CB, C2 only), GA, GE, GF FMR62B: GA, GM, GN, GT FMR63B: GE, GM, GN, GQ, GR FMR66B: BS (aa = CB, C2 only), GA FMR67B: GA, GP, GT
	h	(surface refinement)	FMR60B: not used FMR62B: not used FMR63B: alphanumeric characters (not relevant for safety) FMR66B: not used FMR67B: not used
	ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
k	(sealing antenna)	FMR60B: A (aa = CB, C2 only), D, G, J, P FMR62B: B, D, J, P, U FMR63B: B, C, D, G, J, P FMR66B: A (aa = C2 only), D, G FMR67B: D, G, J, P, U	
l	(air purge connection)	FMR60B: not used FMR62B: not used FMR63B: not used FMR66B: not used	



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

		FMR67B: alphanumeric characters (not relevant for safety)
	+ (additional options; any number of each of the following options may be chosen)	
	mm (operating language display)	alphanumeric characters (not relevant for safety)
	nn (application package)	alphanumeric characters (not relevant for safety)
	oo (calibration)	alphanumeric characters (not relevant for safety)
	pp (services)	alphanumeric characters (not relevant for safety)
	qq (test, Cert, declaration)	JL or alphanumeric characters (not relevant for safety)
	rr (additional approvals)	alphanumeric characters (not relevant for safety)
	ss (accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
	tt (accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
	uu (regional device adaption)	alphanumeric characters (not relevant for safety)
	vv (firmware version)	alphanumeric characters (not relevant for safety)
	ww (marking)	alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.	
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART) 10.5...30Vdc, 4...20mA DA (PROFIBUS PA) 9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6...T1 with standard ambient temperature range of $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option qq=JL) and process temperature range $-196^{\circ}\text{C} \leq \text{Tp} \leq +450^{\circ}\text{C}$ (dependent on antenna type).  Refer to installation drawing for specific T-code and extensions/limitations of temperature ranges based on selected device options.	
MWP and Process Seal	gg = BS: MWP up to 3 bar gg ≠ BS: MWP up to 100 bar	gg = BS: no process seal rating gg ≠ BS: Single Seal
Installation Drawing	XA3111F (aa = CB), XA03114 (aa = C2) or XA3116F (aa = C1)	

**Conditions of Acceptability:**

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.
3. Entity parameters according to installation drawings; XA3111F (aa = CB), XA03114 (aa = C2) or XA3116F (aa = C1).





Certificate: 80159823  
Project: 80159823

Master Contract: 151079  
Date Issued: 2023-05-09

Class I, Division 1, Groups A, B, C and D; T6...T1  
Ex ia IIC T6 Ga  
Class I, Zone 0 AEx ia IIC T6...T1 Ga

Micropilot FMR6xB-aabbcdffggghiiijjkl+ mmmnooppqrrssttuuvvww: where,			
Product	x	(model type)	0, 2, 3, 6, 7
	aa	(approval)	CC
	bb	(output)	BA, DA, FA
	c	(display; operation)	A, C, D, E, F, L, M, N, O
	d	(transmitter housing; mat'l)	B, J, K, M, N
	e	(electrical conn.)	A, B, C, F, H, M
	f	(application)	FMR60B: B, D, F, H, J, L FMR62B: B, D, J, L, N, P, R, T, V, W FMR63B: B, D, J, L, V, W FMR66B: F, H FMR67B: F, J, L, N, P
	gg	(antenna)	FMR60B: BS, GA, GE, GF FMR62B: GA, GM, GN, GT FMR63B: GE, GM, GN, GQ, GR FMR66B: BS, GA FMR67B: GA, GP, GT
	h	(surface refinement)	FMR60B: not used FMR62B: not used FMR63B: alphanumeric characters (not relevant for safety) FMR66B: not used FMR67B: not used
	ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
	k	(sealing antenna)	FMR60B: A, D, G, J, P FMR62B: B, D, G, J, P, U FMR63B: B, C, D, G, J, P FMR66B: A, D, G FMR67B: D, G, J, P, U
	l	(air purge connection)	FMR60B: not used FMR62B: not used FMR63B: not used FMR66B: not used FMR67B: alphanumeric characters (not relevant for safety)
	+ (additional options; any number of each of the following options may be chosen)		
mm	(operating language display)	alphanumeric characters (not relevant for safety)	



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**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

	nn	(application package)	alphanumeric characters (not relevant for safety)
	oo	(calibration)	alphanumeric characters (not relevant for safety)
	pp	(services)	alphanumeric characters (not relevant for safety)
	qq	(test, Cert, declaration)	JL or alphanumeric characters (not relevant for safety)
	rr	(additional approvals)	alphanumeric characters (not relevant for safety)
	ss	(accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
	tt	(accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
	uu	(regional device adaption)	alphanumeric characters (not relevant for safety)
	vv	(firmware version)	alphanumeric characters (not relevant for safety)
	ww	(marking)	alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART)                      10.5...30Vdc, 4...20mA DA (PROFIBUS PA)                        9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6...T1 with standard ambient temperature range of $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option qq=JL) and process temperature range $-196^{\circ}\text{C} \leq \text{Tp} \leq +450^{\circ}\text{C}$ (dependent on antenna type).  Refer to installation drawing for specific T-code and extensions/limitations of temperature ranges based on selected device options.		
MWP and Process Seal	gg = BS: MWP up to 3 bar gg ≠ BS: MWP up to 100 bar	gg = BS: no process seal rating gg ≠ BS: Single Seal	
Installation Drawing	XA3112F		

**Conditions of Acceptability:**

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.
3. Entity parameters according to installation drawing XA3112F.

**CLASS 2252 06**            -            PROCESS CONTROL EQUIPMENT  
**CLASS 2252 86**            -            PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)

Product	<b>Micropilot FMR6xB-aabbcdffghiiijkl+ mmmnooppqrrssttuuvvww: where,</b>		
	x	(model type)	0, 2, 3, 6, 7



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aa	(approval)	CA
bb	(output)	BA, DA, FA
c	(display; operation)	A, C, D, E, F, L, M, N, O
d	(transmitter housing; mat'l)	A, B, J, K, M, N
e	(electrical conn.)	A, B, C, F, H, M
f	(application)	FMR60B: B, D, F, H, J, L FMR62B: B, D, J, L, N, P, R, T, V, W FMR63B: B, D, J, L, V, W FMR66B: F, H FMR67B: F, J, L, N, P
gg	(antenna)	FMR60B: BS, GA, GE, GF FMR62B: GA, GM, GN, GT FMR63B: GE, GM, GN, GQ, GR FMR66B: BS, GA FMR67B: GA, GP, GT
h	(surface refinement)	FMR60B: not used FMR62B: not used FMR63B: D, K, Y FMR66B: not used FMR67B: not used
ii, jjj	(process connection, sealing surface)	alphanumeric characters (not relevant for safety)
k	(sealing antenna)	FMR60B: A, D, G, J, P FMR62B: B, D, G, J, P, U FMR63B: B, C, D, G, J, P FMR66B: A, D, G FMR67B: D, G, J, P, U
l	(air purge connection)	FMR60B: not used FMR62B: not used FMR63B: not used FMR66B: not used FMR67B: alphanumeric characters (not relevant for safety)
+ (additional options; any number of each of the following options may be chosen)		
mm	(operating language display)	alphanumeric characters (not relevant for safety)
nn	(application package)	alphanumeric characters (not relevant for safety)
oo	(calibration)	alphanumeric characters (not relevant for safety)
pp	(services)	alphanumeric characters (not relevant for safety)
qq	(test, Cert, declaration)	JL, JT or alphanumeric characters (not relevant for safety)
rr	(additional approvals)	alphanumeric characters (not relevant for safety)



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	ss	(accessories mounted)	NA, NC, OB, O9 or other alphanumeric characters (not relevant for safety)
	tt	(accessories enclosed)	PA, PB, PD, R9 or other alphanumeric characters (not relevant for safety)
	uu	(regional device adaption)	alphanumeric characters (not relevant for safety)
	vv	(firmware version)	alphanumeric characters (not relevant for safety)
	ww	(marking)	alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	Dependent on Output option, bb: BA (4...20 mA HART) 10.5...35Vdc, 4...20mA DA (PROFIBUS PA) 9...32 Vdc, 0.6 W FA (PROFINET Ethernet-APL) 9...15 Vdc, 0.5W		
Enclosure Rating	d = A: IP66/68 d ≠ A: Type 4X/6P, IP66/68		
Ambient (Ta) and process temp. (Tp)	Standard ambient temperature range of $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ ( $-50^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option qq=JL; $-60^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ , where option aa=CA and qq=JT) and process temperature range $-196^{\circ}\text{C} \leq \text{Tp} \leq +450^{\circ}\text{C}$ (dependent on antenna type).		
MWP	gg = BS: MWP up to 3 bar gg ≠ BS: MWP up to 160 bar		

**Notes**

Ambient temperature range:

- Without LCD display: standard:  $-40$  to  $+70$  °C or optional:  $-60^{\circ}\text{C}/-50^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  (when process connection is fully insulated)
- With LCD display:  $-40$  to  $+60$  °C with limitations in optical properties such as display speed and contrast). Can be used without limitations up to  $-20$  to  $+60$  °C
- For process temperature higher than  $+70$  °C, the rated ambient is reduced by de-rating; refer to manuals for details.

**Conditions of Acceptability:**

1. Micropilot FMR6xB device shall be powered by certified Class 2 Power Supply as defined in the Canadian Electrical Code or National Electrical Code or by a CSA C22.2 No. 60950 -1/ UL 60950-1 or CSA/UL 62368-1 certified limited power source (LPS).
2. Rated: Pollution Degree 2, Overvoltage Category II
3. Environmental Conditions: 5000m max



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
**Date Issued:** 2023-05-09

**APPLICABLE REQUIREMENTS**

C22.2 No. 25-17	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
C22.2 No. 30-M1986 (r2016)	Explosion-proof enclosures for use in Class I hazardous locations
CSA C22.2 No. 94.2-15	Enclosures for Electrical Equipment, Environmental Considerations
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0:19	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-1:16	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”
CAN/CSA-C22.2 No. 60079-11:14	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
CAN/CSA-C22.2 No. 60079-26:16	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
CAN/CSA-C22.2 No 60079-47:22	Explosive Atmospheres - Part 47: Equipment Protection by 2-Wire Intrinsically Safe Ethernet Concept (2-WISE)
CSA-C22.2 No. 213:2017 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021)	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
UL 61010-1, 3rd edition (2012), AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
FM3600-2022	Examination Standard for Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM3610-2021	Examination Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations
FM3615-2022	Examination Standard for Explosionproof Electrical Equipment – General Requirements
FM3616-2022	Examination Standard for Dust-Ignitionproof Electrical Equipment – General Requirements
UL 50E-15 <i>Second Edition</i>	Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL 60079-0 <i>Seventh Edition (2020)</i>	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-1 <i>Seventh Edition (2020)</i>	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/UL 60079-11 <i>Sixth Edition (2018)</i>	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 60079-26 <i>Third Edition (R2022)</i>	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga



**Certificate:** 80159823  
**Project:** 80159823

**Master Contract:** 151079  
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ANSI/UL 60079-47 <i>First Edition (2022)</i>	Explosive Atmospheres - Part 47: Equipment Protection by 2-Wire Intrinsically Safe Ethernet Concept (2-WISE)
ANSI/UL 121201-2021 <i>Ninth Edition</i>	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
UL122701:2022 <i>Fourth Edition</i>	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

Notes:

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Products certified under Class C225206, C225286, C225802, C225804, C225882, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *Supplement to Certificate of Compliance*

**Certificate:** 80159823

**Master Contract:** 151079

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80159823	2023-05-09	Prime cCSAus certification for Micropilot FMR6xB series. This equipment will utilize various components which are previously certified and accepted by CSA in other E+H products.