



# Certificate of Compliance

**Certificate:** 1132623 (LR 82598)

**Master Contract:** 160686

**Project:** 2567317

**Date Issued:** November 5, 2012

**Issued to:** Endress + Hauser Flowtec AG

Kagenstrasse 7  
Reinach, Basel Land 4153  
Switzerland  
Attention: Utz Dette

*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.*



*Aisha Sreenath*

**Issued by:** Aisha Sreenath

## **PRODUCTS**

**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations

**Class I, Zone 1, Group IIC:**

**Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; Type 4X:**

• PROMASS 40/80/83/84A/E/F/H/I/M/O/P/S/X\*\*\_\*\*\*\*\*N/O\*\*\*\*\*+### Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0049. Dual Seal Device.

• CNGmass DCI 8\*F\*\*\_\*\*\*\*\*M/N/8\*\*\*\*\*+### Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0151. Dual Seal Device.



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- Cubemass DCI 8C\*\*\*-C3/84\*\*\*\*\*+##\*# Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0152. Dual Seal Device.

Note: The asterisk “\*” in the above model suffixes may be any number or letter representing specific options. The suffix “\*\*\*” in the model Series represents any combination or multiple of double number and/or letter; may be “+” or “#”.

**Class I, Zone 1, Group IIB+H2:**

**Class I, Division 1, Groups B, C and D; Class II, Division 1, Groups E, F and G; Class III; Type 4X:**

- PROMASS 40/80/83/84A/E/F/H/I/M/O/P/S/X\*\*\_\*\*\*\*\*N/O\*\*\*\*\*+##\*# Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0049. FACTORY SEALED. Dual Seal Device.
- CNGmass DCI 8\*F\*\*\_\*\*\*\*\*M/N/8\*\*\*\*\*+##\*# Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0151. FACTORY SEALED. Dual Seal Device.
- Cubemass DCI 8C\*\*\*-C3/84\*\*\*\*\*+##\*# Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0152. FACTORY SEALED. Dual Seal Device.

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**Class I, Zone 1, Group IIB:**

**Class I, Division 1, Groups C and D; Class II, Division 1, Groups E, F and G; Class III; Type 4X:**

- PROMASS 40/80/83/84A/E/F/H/I/M/O/P/S/X\*\*\_\*\*\*\*\*P\*\*\*\*\*+### Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0049. FACTORY SEALED. Dual Seal Device.

Note: The asterisk “\*” in the above model suffixes may be any number or letter representing specific options. The suffix “\*\*” in the model Series represents any combination or multiple of double number and/or letter; may be “+” or “#”.

**Class I, Zone 2, Group IIC:**

**Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; Type 4X:**

- PROMASS 40/80/83/84A/E/F/H/I/M/O/P/S/X\*\*\_\*\*\*\*\*R\*\*\*\*\*+### Mass Flowmeter. Transmitter Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Transmitter Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Non-incendive circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0051. Dual Seal Device.

Note: The asterisk “\*” in the above model suffixes may be any number or letter representing specific options. The suffix “\*\*” in the model Series represents any combination or multiple of double number and/or letter; may be “+” or “#”.

**CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - 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; Type 4X:**

- CNGmass DCI 8\*F\*\*\_\*\*\*\*\*M/N/8\*\*\*\*\*+### Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with



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**Master Contract:** 160686

**Project:** 2567317

**Date Issued:** November 5, 2012

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Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0151. Dual Seal Device.

- Cubemass DCI 8C\*\*\*-C3/84\*\*\*\*\*+###Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0152. Dual Seal Device.

Note: The asterisk “\*” in the above model suffixes may be any number or letter representing specific options. The suffix “\*\*\*” in the model Series represents any combination or multiple of double number and/or letter; may be “+” or “#”.

**Class I, Division 1, Groups B, C and D; Class II, Division 1, Groups E, F and G; Class III; Type 4X:**

- CNGmass DCI 8\*F\*\*-\*\*\*\*\*M/N/8\*\*\*\*\*+### Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0151. FACTORY SEALED. Dual Seal Device.

- Cubemass DCI 8C\*\*\*-C3/84\*\*\*\*\*+###Mass Flowmeter. Input rated 16-62Vdc, 20-55Vac, 85-260Vac, 50/60Hz, 15VA. Relay contacts rated 42Vdc/100mA and 30Vac/500mA. Explosion-proof with Intrinsically Safe sensor circuits and signal output circuits, Temperature Codes and Maximum Ambient Temperatures per Control Drawing FES0152. FACTORY SEALED. Dual Seal Device.

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**APPLICABLE REQUIREMENTS**

CSA Std C22.2 No. 0-M1991 - General Requirements - Canadian Electrical Code

ANSI/ISA-12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

CSA Std C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CSA Std C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures



**Certificate:** 1132623 (LR 82598)

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CSA Std C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Std C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

FM 3600, November 1998 - Electric Equipment for use in Hazardous Locations General Requirement

FM 3610, January 2010 - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous Locations

FM 3615, August 2006 - Explosionproof Electrical Equipment General Requirements

FM 3810, January 2005 - Electrical Equipment for Measurement, Control and Laboratory Use



## Supplement to Certificate of Compliance

**Certificate:** 1132623

**Master Contract:** 160686

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

### Product Certification History

Project	Date	Description
2567317	November 5, 2012	Update to cover minor revision to connector pin assignment on Control Drawing.
2458350	September 14, 2011	Update to cover model suffixes correction.
2443425	August 12, 2011	Update to include certified sensors type Promass X and Promass O.
2411683	April 14, 2011	Update to cover optional Ethernet I/O options, minor documents revision as per E+H Technical Document 16th Revision.
2224663	January 12, 2010	Update to include mass flowmeters CNGmass DCI 8D** and Cubemass DCI 8C** for CSA c/us marking, remove sensors drawing and minor drawings revisions.
1997636	February 19, 2008	Update to include Amplifier v14, dwgs revisions and alt. glass cover for G05
1832956	January 21, 2008	Enclosure G12 model for hazardous locations. Legacy no. 82598
1978934	January 17, 2008	Update to cover Dual Seal Marking and minor dwgs revision
1832928	November 6, 2007	Update to Report 1132623 to add alternate enclosure G12 model for hazardous locations and minor drawings revision.
1860455	January 23, 2007	Update to cover alt. Commodul C14, exciter coils and report revisions - I.S.
1849742	November 21, 2006	Update to cover alt. sensors feed-through
1832929	October 14, 2005	Addition of alternate enclosure G12 model for hazardous locations. Legacy no. 82598
1722394	October 14, 2005	Update to cover typographical error on sensor.
1696390	September 12, 2005	Update to include alternative sensors Promass I DN51 and I DN80.
1607313	November 15, 2004	Update to report to cover minor drawings revisions - I.S. Hazardous Locations
1569253	August 24, 2004	Update to cover minor drawings revisions and G02 Feed-through for installation in Cl. I, Div. 1, Groups BCD Haz Loc (Legacy no. 82598)
1451217	September 25, 2003	Mass Flowmeters for Hazardous Locations - Update of 160686-1132623(Last Project 160686-1388808)

### History

1388808 December 11, 2002 Update to cover:1. New Commodul C10 (active/passive).2. -40°C version for Class I Div.2, Class II Div 1, Class III.3. Fieldbus connector for Class I Div 2.4. New order code.5. Sensor Promass F for pressures up to 125 bar.6. Revised drawings.

1325457 August 8, 2002 Update to cover:1. Inclusion of Promass 40E from Report 1130308.2. Addition of Promass E DN8-50 for measuring system Promass 8.3. Remote version of Promass E.4. New Sensor Promass H DN50.5. Revised and new drawings.



**Certificate:** 1132623

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1278845 March 5, 2002 Update to cover:1. New Sensor Promass F DN 150.2. New Sensor Promass H DN8 - DN40.3. Revised construction of exciter coils for Promass M DN80 A-D version and Promass F DN80/100 A-D version.4. Alternative Connection Cable 6Li9YFCY for remote version.5. Revised drawings.6. Additional damping coil on internal conductors.7. Optional Printed Circuit Board Coating "Peters" Type SL 13.9N).8. New Version (Promass 84).

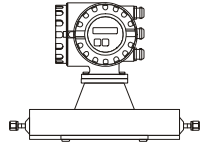
1204567 June 11, 2001 Update to cover:1. Change of relay rating from 60Vdc to 42Vdc.2. Revised drawings.

1132623 December 19, 2000 Original Certification.

### Hazardous Locations

Class I Div. 2 Groups ABCD or Class I Zone 2 Groups IIC and Class II and III Division 1 Groups EFG

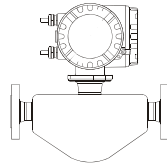
Transmitter Promass 40 / 8.  
alternative stainless steel housing



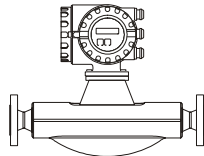
Promass A



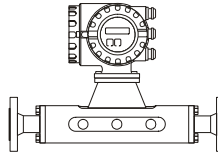
Promass X



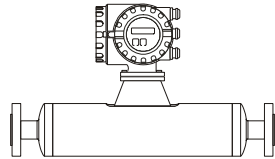
Promass E



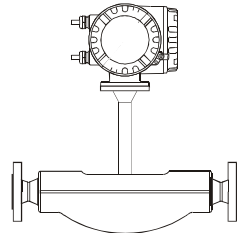
Promass F/O



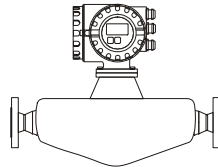
Promass M



Promass I



Promass F(HT)



Promass H/P/S

### Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

Temperature class for the compact version is T5 – T1

Range of medium temperature:

Promass A/F/F(HT)/H/O/P/S/X : -200°C ... +200°C  
 Promass I/M : -50°C ... +150°C  
 Promass E : -40°C ... +140°C

Range of ambient temperature : -40°C ... +60°C

Temperature table	max. medium temperature					
	T6	T5	T4	T3	T2	T1
<b>Ta = 60 °C</b>						
Promass A/E/F/H/I/M/O/P/S/X	---	100°C	135°C	200°C	200°C	200°C
Promass F(HT)	---	100°C	135°C	200°C	300°C <sup>*)</sup>	350°C <sup>*)</sup>

<sup>\*)</sup> Device shall be installed in such a way, that the transmitter enclosure is not located above the sensor.

Options	Control Drawing
Promass 40/80/83/84 E DN80 (optional version)	see FES 0165

#### Notes:

- Control room equipment shall not use or generate more than 250V rms.
- Caution: Use supply wires suitable for 5°C above ambient temperature, but at least for 80°C / 176°F.
- Class II Group G: The surface temperature of the apparatus cannot exceed 165°C / 329°F.
- Install per Canadian Electrical Code
- Warning: Explosion Hazard-Substitution of components may impair suitability for Class I, Division 2.
- For Installation of Fieldbus communication circuits of Promass 4/8\*\*\*\*\_\*\*\*\*\*H/K+### see sheet 3.
- The following Sensors are Dual Seal devices in accordance with ANSI/ISA-12.27.01-2003: Promass A, F, F(HT), H, O, P, S and X. Promass E is a Dual Seal device if the optional rupture disk is present.

Anderungen:	F	13.05.04/MDI	L	08.02.11/KLI	Ersteller: FES / ID 1089 FILE: M:\ZEICHN\GFES0051M\FES0051N.doc
	G	30.06.05/SCHK	M	01.06.11/SCHK	
	H	15.08.06/BDA	N	08.08.12/BIF	
	J	05.09.07/BDA			
	K	13.08.09/SCHK			

CSA Control Drawing Class I Division 2 /

Class I Zone 2

Compact version

Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

Gezeichnet	10.12.01	MDI
Geprüft		
Ex-geprüft	08.08.12	BIF
Gesehen		



Flowtec AG, Kägenstrasse 7, CH-4153 Reinach BL1, Postfach

FES0051N

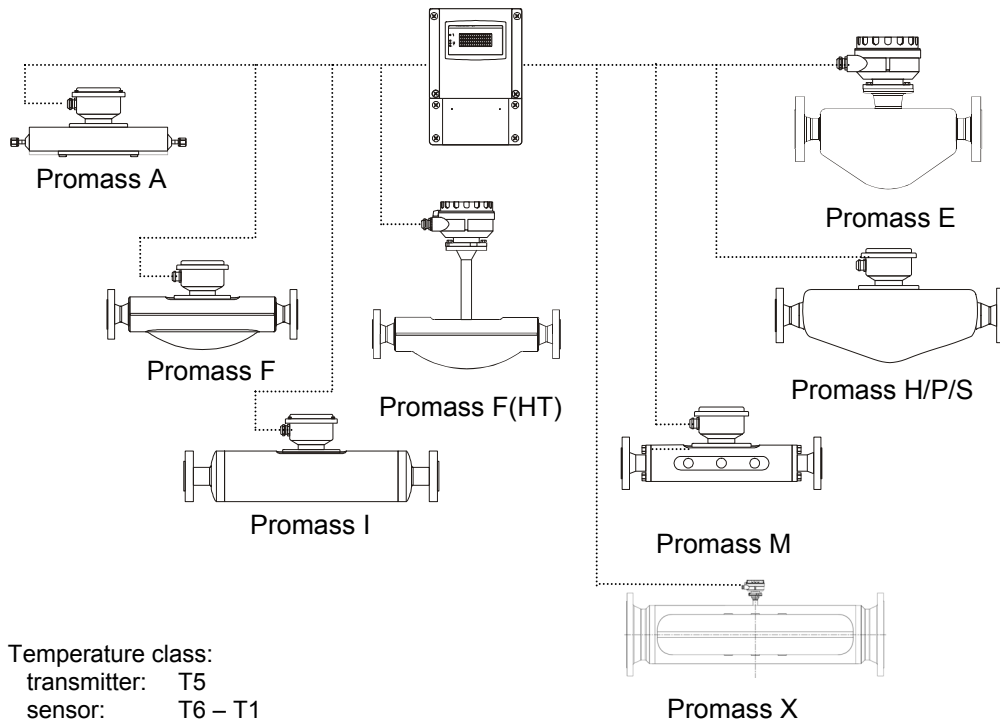
1/4



### Hazardous Locations

Class I Div. 2 Groups ABCD or Class I Zone 2 Groups IIC and Class II and III Division 1 Groups EFG

Transmitter enclosure Promass 40/ 8\*



Temperature class:  
transmitter: T5  
sensor: T6 – T1

Range of medium temperature:

Promass A/F/F(HT)/H/O/P/S/X : -200°C ... +200°C / -328°F ... +392°F  
Promass I/M : -50°C ... +150°C / -58°F ... +302°F  
Promass E : -40°C ... +125°C / -40°F ... +140°F

Range of ambient temperature: -40°C ... +60°C / -40 °F ... +140 °F

Temperature table:

Ta = 60 °C	max. medium temperature					
	T6	T5	T4	T3	T2	T1
Promass A/F/H/O/P/S/X	60°C	100°C	135°C	200°C	200°C	200°C
Promass I/M	60°C	100°C	135°C	150°C	150°C	150°C
Promass E	60°C	100°C	135°C	140°C	140°C	140°C
Promass F(HT)	70°C	100°C	135°C	200°C	300°C	350°C

### Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

**Notes:**

- Control room equipment shall not use or generate more than 250V rms.
- Caution: Use supply wires suitable for 5°C above ambient temperature, but at least for 80°C / 176°F
- Class II Group G: The surface temperature of the apparatus cannot exceed 165°C / 329°F.
- Install per Canadian Electrical Code
- Allowed cable glands for nonincendive field wiring: NPT ½", G ½" or M20x1.5
- Non-incendive field circuit wiring (ANI) when installed with a cable that has the following cable parameters: Li = 500 µH per km and Ci = 500 nF per km. e.g. cable type 6LI9YCY-FCY 0.38 qmm or 6 LI9YCY 0,38 qmm – FCY . The maximum allowed cable length is 120 m, but for functional reasons it is less than this value as determined by sales order.
- Warning: Substitution of components may impair suitability for Class I, Div.2.
- On consideration of this control drawing a sensor which was connected to a transmitter of Promass 60/63/64 can also be installed with a Promass 80/83 transmitter.
- For Installation of Fieldbus communication circuits of Promass 4/8\*\*\*\*-\*\*\*\*\*H/K+### see sheet 3.
- The following Sensors are Dual Seal devices in accordance with ANSI/ISA-12.27.01-2003: Promass A, F, F(HT), H, P and S. Promass E is a Dual Seal device if the optional rupture disk is present.

Allocation for Sensor's to Gas Groups:

	ANI for Class I Division 2		
	Groups AB	Group C	Group D
Promass A DN 1 - 4		X	X
Promass F DN 8 - 50	X	X	X
Promass F/O DN 80 / 100 / 150 / 250		X	X
Promass I DN 8 - 15	X	X	X
Promass I DN 25 - 80		X	X
Promass E/M DN 8 - 50	X	X	X
Promass E/M DN 80		X	X
Promass H/P/S DN8 - 40	X	X	X
Promass H/P/S DN50		X	X
Promass X DN350		X	X

Sensors not suitable as ANI for Groups A, B may be installed in these groups, when conduit is used

Aenderungen:	F	13.05.04/MDI	L	08.02.11/KLI	Ersteller: FES / ID 1089 FILE: M:\ZEICHN\VFES0051M\FES0051N.doc
	G	30.06.05/SCHK	M	01.06.11/SCHK	
	H	15.08.06/BDA	N	08.08.12/BIF	
	J	05.09.07/BDA			
	K	13.08.09/SCHK			

CSA Control Drawing Class I Division 2 /

Class I Zone 2

Remote version

Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

Gezeichnet	10.12.01	MDI
Geprüft		
Ex-geprüft	08.08.12	BIF
Gesehen		



Flowtec AG, Kägenstrasse 7, CH-4153 Reinach BL1, Postfach

FES0051N

2/4

# Fieldbus Connector Class I Div.2 Compact /Remote Version

Non-Hazardous  
Classified Location

**Hazardous Classified Location**  
Class I Div. 2 Groups ABCD or  
Class I Zone 2 Groups IIC, Class II  
Division 1 Groups EFG, Class III

Compact Version

Remote Version

Transmitter enclosure  
Proline G01

Transmitter electronic  
Proline Promass 8x

Transmitter enclosure  
PROline G03

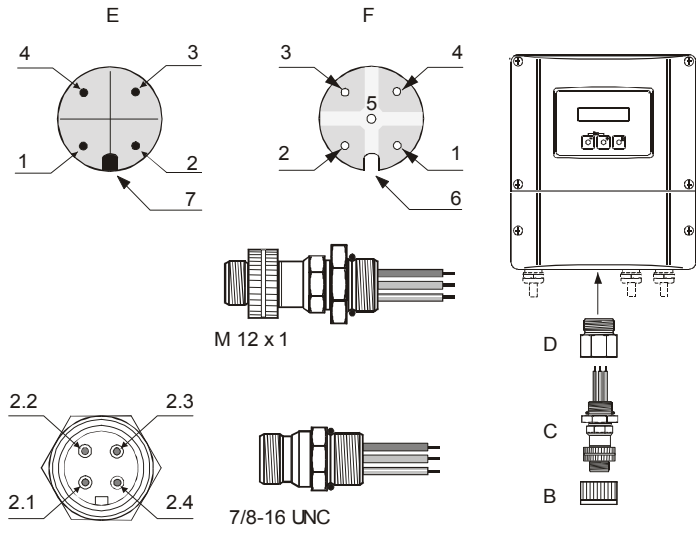
CSA approved  
ANI/I/2/ABCD or  
AIS/I/1/ABCDEF G  
equipment

Connection to  
Power Supply  
(line)

Connection to Proline Promass 8X

**Functional Rating**

Fieldbus communication circuit:  
Terminals 26/27  
 $U_{nom} = 9...32V$   $I_{nom} = 12mA$



B = Protection cap for connector, C = Fieldbus connector, D = Thread adapter  
E = Connector on housing (male), F = Connector (female)

Pin assignment:

- Profibus PA  
1 = Brown wire, PA+ (terminal 26)  
2 = Not connected  
3 = Blue wire, PA- (terminal 27)  
4 = Black wire, ground  
5 = Female connector not assigned  
6 = Positioning groove  
7 = Positioning key

Fieldbus Foundation

- 2.1 = Brown wire, FF+ (terminal 26)  
2.2 = Blue wire, FF- (terminal 27)  
2.3 = Grey wire, ground  
2.4 = Not assigned

**Notes:**

1. Install per Canadian Electrical Code.
2. Fieldbus cable connectors are suitable for Class I, Div.2, Groups A,B,C,D; Class II, Div.1 Groups E,F,G; Class III, if nonincendive or intrinsically safe circuits are connected.
3. For nonincendive wiring of fieldbus communication circuit, make sure that  
 $C_{cable} \leq C_a$  and  $L_{cable} \leq L_a$

F	13.05.04/MDI	L	08.02.11/KLI
G	30.06.05/SCHK	M	01.06.11/SCHK
H	15.08.06/BDA	N	08.08.12/BIF
J	05.09.07/BDA		
K	13.08.09/SCHK		

Ersteller: FES / ID 1089  
FILE: M:\ZEICHN\GFES0051M\FES0051N.doc

CSA Control Drawing Class I Division 2 /  
Class I Zone 2 - Fieldbus Connector  
Compact version / Remote version  
Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

Gezeichnet	10.12.01	MDI
Geprüft		
Ex-geprüft	08.08.12	BIF
Gesehen		



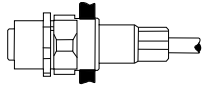
Flowtec AG, Kägenstrasse 7, CH-4153 Reinach BL1, Postfach

FES0051N

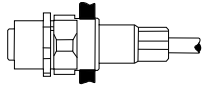
3/4

1) Thread: M20x1.5, NPT 1/2", NPT 3/4" or G 1/2"

2) Approved / Certified receptacle for process wiring for Cl.I, Div. 2



3) Listed receptacle for process wiring (general purpose)



Notes:

1. Class I Division 2 Groups ABCD, Class II Division 1 Groups EFG and Class III

Flow meter with cable entry M20x1.5 thread, NPT 1/2" thread, NPT 3/4" thread:

- Install all per National Electrical Code CEC and use supply wires suitable for 10 °C / 18 °F above ambient temperature.
- Class II Group G: The surface temperature of the apparatus cannot exceed 165 °C / 329°F

2. Class I Division 2 Groups ABCD

Flow meter with FM approved receptacles (plug-in connector) suitable for Class I, Div. 2 installation:

- Install per National Electrical Code CEC
- Install tool secured guard on the connection to render the connection normally not arcing.

3. Class I Division 2 Groups ABCD:

Flowmeters with listed cable glands, pig tails or receptacles (plug in connector):

- The connector must not be removed when energized. Therefore the warning "Do not separate when energized" must be readable after installation.
- Install per National Electrical Code CEC

4. Non-hazardous classified areas:

All of the above described cable entries are suitable for installations in non-hazardous areas

- Install per National Electrical Code CEC

Component ratings:

- Wire at least AWG 28
- Dielectric strength of wire insulation at least 50 V
- Current rating of components at least 1 A
- Temperature range at least -40 °C ... +70 °C

F	13.05.04/MDI	L	08.02.11/KLI	Ersteller: FES / ID 1089 FILE: M:\ZEICHN\GFES0051M\FES0051N.doc
G	30.06.05/SCHK	M	01.06.11/SCHK	
H	15.08.06/BDA	N	08.08.12/BIF	
J	05.09.07/BDA			
K	13.08.09/SCHK			

CSA Control Drawing Class I Division 2 / Zone2  
Cable entries

Promass 40/80/83/84 A/E/F/H/I/M/O/P/S/X

Gezeichnet	10.12.01	MDI
Geprüft		
Ex-geprüft	08.08.12	BIF
Gesehen		



Flowtec AG, Kägenstrasse 7, CH-4153 Reinach BL1, Postfach

FES0051N

4/4