



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

FXA 193-ab.Service Interface

AIS / I, II, III / 1 / ABCDEFG – FES 0072; System; I / 0 / [AEx ia] / IIC– FES 0072; System

a = Approvals: B, C, or D.

b = Cables: A, B, E, or X.

Special Condition of Use:

1. *The FXA 193 is only part of an approved system when used with the following E+H transmitter series: PROline Promag 5x, PROline Promass 8x, PROline Prosonic Flow 9x, or Promag 2x.*

TOF-Cable.

AIS / I, II, III / 1 / ABCDEFG – FES 0072; System; I / 0 / [AEx ia] / IIC – FES 0072; System

Special Condition of Use:

1. *The TOF-Cable is only part of an approved system when used with the FXA 193 and the appropriate E+H transmitters.*

Equipment Ratings:

FXA 193 Service Interface and TOF-Cable as Associated Apparatus with intrinsically safe connections to Class I, II, III, Division 1, Groups A, B, C, D, E, F, & G and Class I, Zone 0, Group IIC; indoor hazardous (classified) locations, in accordance with Control Drawing FES 0072.

FM Approved for:

Endress + Hauser Flowtec AG
Kägenstraße 7
CH-4153 Reinach BL 1
Switzerland



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	2010
Class 3810	1989
Including Supplement #1	1995
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

Original Project ID: 3015723

Approval Granted: June 17, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3041673	April 21, 2011		

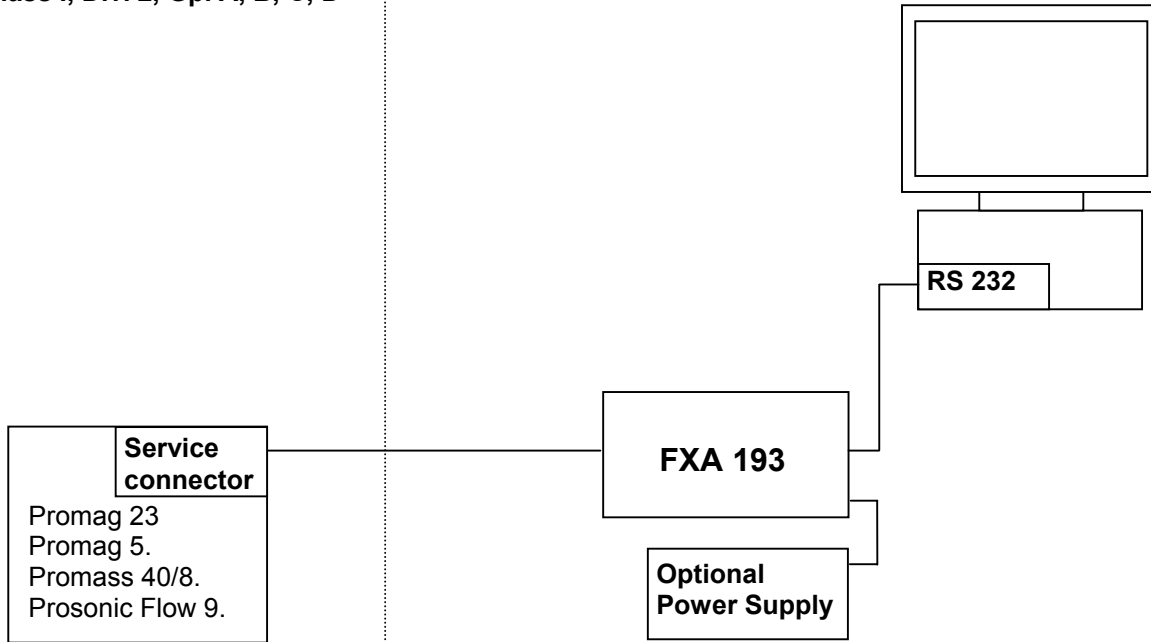
FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

21 April 2011
Date

Hazardous Classified Location
 Class I, Div. 1, Gp. A, B, C, D
 Class II, Div. 1, Gp. E, F, G
 Class III
 or
 Class I, Div. 2, Gp. A, B, C, D

Non-Hazardous Classified Location



Service Interface	to be connected to	Special Note
FXA 193	Promag 23	Do not connect FXA 193, unless the area FXA 193, Laptop (PC) and optional power supply are in , is known to be non hazardous.
FXA 193	PROline Promag 5* PROline Promass 40 / 8* PROline Prosonic 9x	Do not connect FXA 193 unless the area is known to be non hazardous. Area in measuring tube might stay hazardous.

Note:

- Control room equipment shall not use or generate more than 250 V rms.
- All equipment has to be install per National Electrical Code and per ISA RP12.06.01.
- Other installations of the FXA 193 are possible. Those installations, which are FM Approved, are shown on their specific FM Approved control drawing.
- 20 °C / -4 °F ≤ Ta ≤ +60 °C / +140 °F
- For connection between FXA 193 and transmitter use E+H prefabricated cables only.

Aenderungen:	A		F		Alle gesetzlichen Urheberrechte vorbehalten. Diese Zeichnung darf ohne unsere Genehmigung weder vervielfältigt werden noch dritten Personen und Konkurrenzfirmen zugänglich gemacht werden.	Ersetzt durch: Ersatz für: File:030606c.doc
	B		G			
	C		H			
	D		J			
	E		K			

FM Control Drawing I,II,III/1/A,B,C,D,E,F,G FXA 193	Massstab	Gezeichnet	UD	25.11.02
		Geprüft		
		Ex-geprüft	UD	06.06.03
		Gesehen		

 Flowtec AG, Kaegenstrasse 7, CH-4153 Reinach BL1, Postfach	FES 0072
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