

Certificate of Compliance

Certificate: 1368528

Master Contract: 160686 (LR 82598)

Project: 1368528


Date Issued: July 9, 2003

Issued to: ENDRESS + HAUSER FLOWTEC AG
Kaegenstrasse 7
CH-4153 Reinach
SWITZERLAND
Attention: Mr. Utz Dette

The products listed below are eligible to bear the CSA Mark shown



Issued by:


G. Lewis, CET

Authorized by:


Nick Alfano
Operations Manager

PRODUCTS

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

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:

- Service Interface FXA 193-ab, rated 5-18 Vdc, 25mA (power supply) and +/- 15V, 15mA (RS-232). Provides intrinsically safe circuits to specific CSA Certified Apparatus per Control Drawing No. FES 0071.

Note: "a" in the Model Number may be C or D

"b" in the Model Number may be A, B, E, X or 9 indicating specific cable type.

APPLICABLE REQUIREMENTS

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



Supplement to Certificate of Compliance

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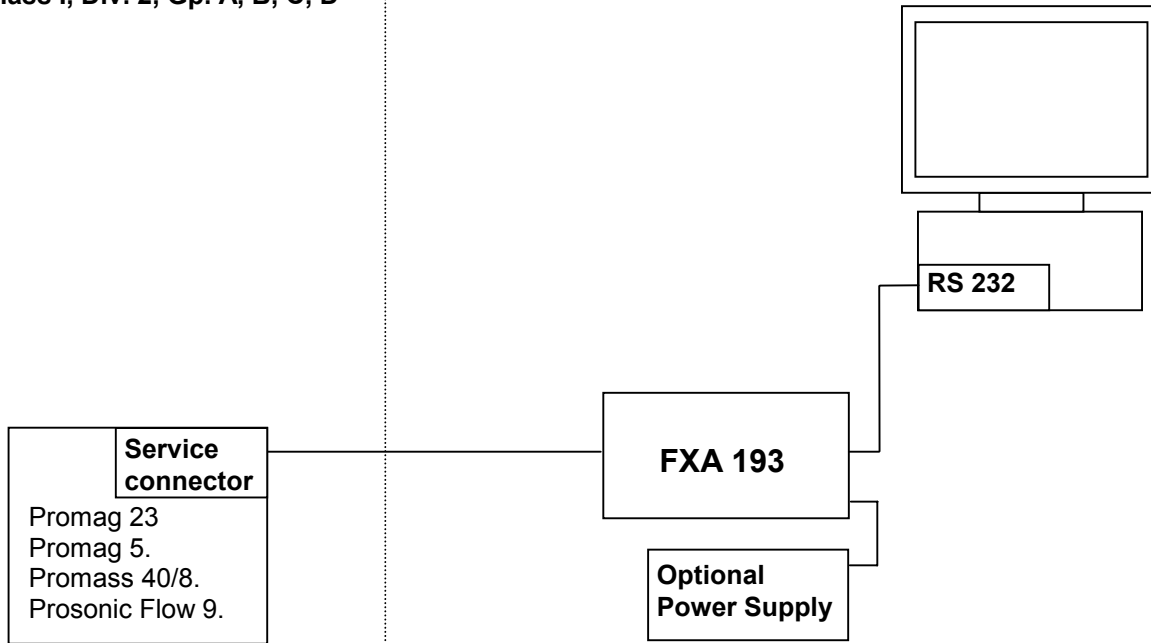
*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1368528	July 9, 2003	Original Certification.

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 9*	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 installed per Canadian Electrical Code and per ISA RP12.06.01.
- Other installations of the FXA 193 are possible. Those installations, which are CSA certified, are shown on their specific CSA installation 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			

CSA 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 0071