

NOTES:

1. THE MAXIMUM OUTPUT VOLTAGE FROM THE SAFE AREA APPARATUS MUST NOT EXCEED THE RATED VOLTAGE OF THE TRANSMITTER: 30VDC.
2. CIRCUIT IN HAZARDOUS AREA MUST BE CAPABLE OF WITHSTANDING A VOLTAGE TEST OF 500 VRMS TO EARTH OR TO THE FRAME OF THE APPARATUS. USE 8093 INSULATOR ON CONNECTOR BETWEEN PROBE AND EXTENSION CABLE.
3. THE HAZARDOUS AREA CABLE IS TO BE INSTALLED AS EITHER A SEPARATE CABLE OR A SEPARATE CIRCUIT WITHIN A "TYPE A" CABLE OR WITHIN A "TYPE B" CABLE AS DEFINED IN EN 50039 (1980). THE PEAK VOLTAGE OF ANY CIRCUIT IN THE "TYPE B" CABLE MUST NOT EXCEED 60V.
4. THE INSTALLATION MUST COMPLY WITH THE APPROPRIATE NATIONAL INSTALLATION REQUIREMENTS. EXAMPLE: UK. BS5345 PART 4 (1977).

5 THE APPARATUS IS DESIGNED FOR CONNECTION TO ANY REMOTE PROXIMITY PROBE CERTIFIED FOR USE AS CATEGORY 3 APPARATUS WITH A RATED VOLTAGE (UPI) OF GREATER THAN 5V (EITHER POSITIVE OR NEGATIVE DEPENDING ON THE PROBE CONFIGURATION).

- THE SERIES 10,000 PROBE TOGETHER WITH ITS 10,000 EXTENSION CABLE AND 8093 CONNECTOR INSULATOR MAY BE REPLACED BY A BENTLY NEVADA 3300 PROXIMITY TRANSDUCER SYSTEM PROBE AND CABLE (BAS 99ATEX3098X).
6. THE APPARATUS ENCLOSURE IS MADE FROM PLASTIC WHICH MUST BE PROTECTED AGAINST IMPACT AND FRICTION.
- 7 DYNAMIC SIGNAL (SIG AND GND) TERMINAL BLOCK CONNECTIONS ARE AVAILABLE ON MX2034 DD = 04/S4, 05/S5, 06/S6. BNC CONNECTION IS FOR TEMPORARY DATA COLLECTION ONLY AND MUST NOT BE A PERMANENT CONNECTION.
8. SPECIAL CONDITIONS OF SAFE USE:

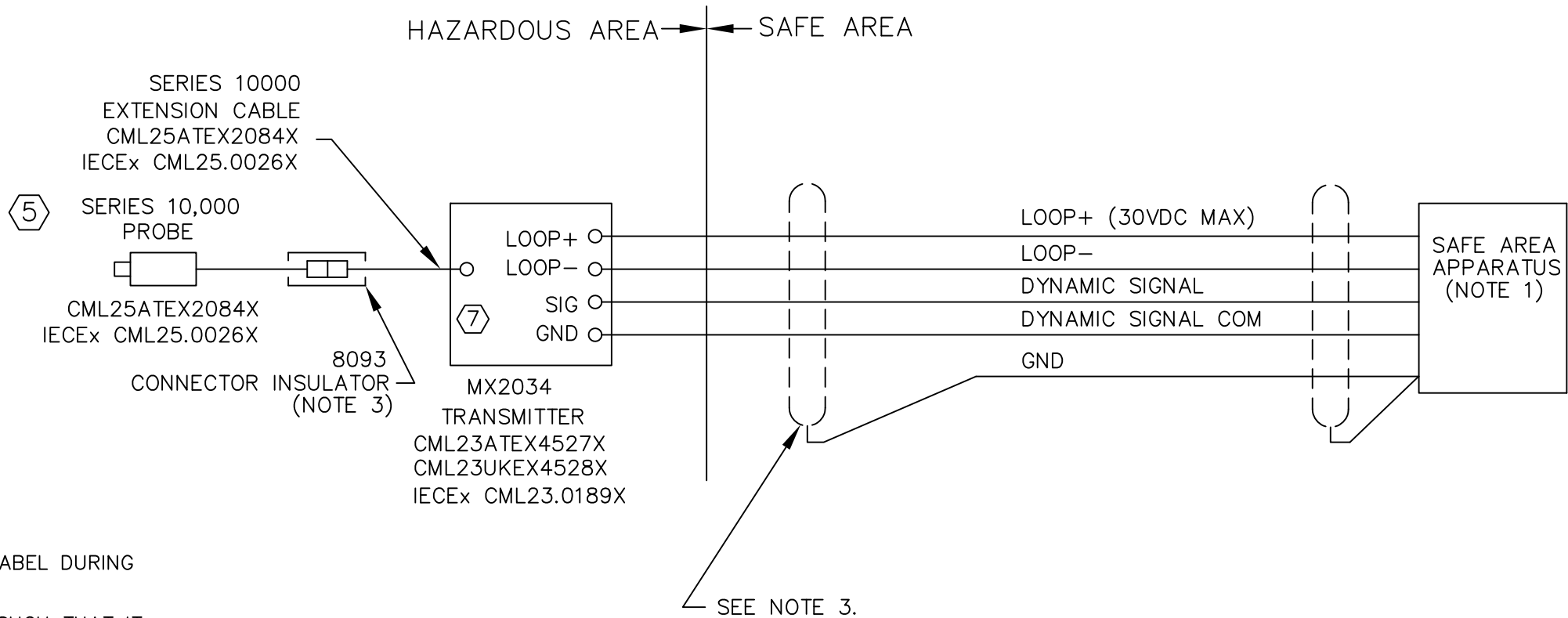
THE PROTECTION CONCEPT USED MUST BE IRREVOCABLY MARKED ON THE LABEL DURING INSTALLATION

THE EQUIPMENT MUST BE INSTALLED IN A SUITABLY CERTIFIED ENCLOSURE SUCH THAT IT IS AFFORDED A DEGREE OF PROTECTION OF AT LEAST IP54 IN ACCORDANCE WITH EN 60529 AND EN 60079-7 AND IS IN AN AREA OF NOT MORE THAN POLLUTION DEGREE 2, AS DEFINED IN IEC/EN 60664-1

EXTERNAL TRANSIENT SUPPLY LIMITATION MUST BE PRESENT THAT CLAMPS AT NO MORE THAN 42V

REVISIONS		
REV	CR/CHANGE	
A	RELEASE	8/2/2011
B	ADDING MX2034, 4 PIN TO DWG	10/9/2019
C	INTERTEK UPDATES	4/29/2022
D	CR1286, MET AGENCY UPDATES	11/03/2025

INSTALLATION
PROXIMITY SENSOR IN ZONE 2 LOCATION
ATEX/IECE_x



MATERIAL:	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL CORNERS BROKEN TO .010 MIN RADIUS AND TOLERANCES ARE:			APPROVALS	DATE
FINISH:				DRAWN BY: A. Wilson	08/02/11
THIS DOCUMENT AND ALL INFORMATION HEREON IS THE PROPERTY OF METRIX INSTRUMENT CO. APPROVAL MUST BE OBTAINED BEFORE IT IS REPRODUCED OR INFORMATION HEREON IS ISSUED TO A THIRD PARTY. THIS DOCUMENT MUST BE RETURNED UPON REQUEST.	FRACTIONS: DECIMALS: ±1/64 .XX ±.01 ANGLES: ±1° SURFACE FINISH 64			CHECKED BY:	
				APPROVED BY:	
		NEXT ASSY	USED ON		
		APPLICATION		DO NOT SCALE DRAWING	
		SCALE: 1:1	DOCUMENT NO.: 100515-DWG	SHEET: 1 of 2	

METRIX

HOUSTON, TEXAS
USA

ZONE 2 INSTALLATION
(ATEX/IECE_x)
MX2032/MX2033/MX2034

SIZE
B

PART NO.:
100515

REV.
D

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INSTALLATION

PROBE DRIVER SENSOR IN ZONE 2 LOCATION

ATEX/IECE_x

