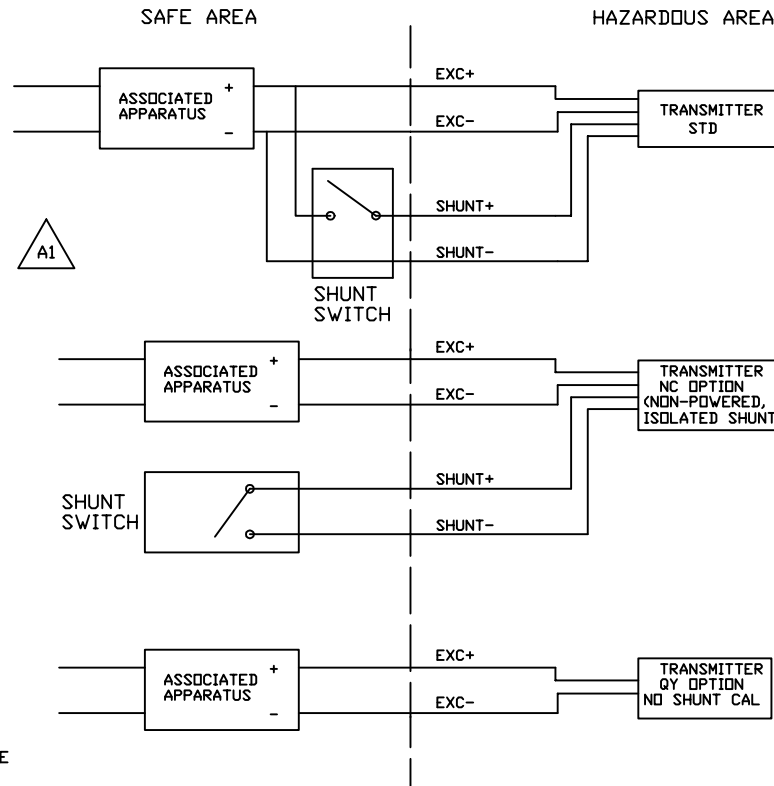


THIRD PARTY AGENCY APPROVAL CODE: AI-S



PRESSURE TRANSMITTER  
 Ex Ia IIC T5 (T<sub>a</sub>=85°C)  
 U<sub>i</sub>=28V  
 I<sub>i</sub>=100mA  
 C<sub>i</sub>=27.2nF  
 L<sub>i</sub>=0  
 P<sub>i</sub>=0.7W

1. INSTALLATION MUST BE IN ACCORDANCE WITH THE CODES AND PRACTICES OF THE COUNTRY IN USE
2. ASSOCIATED APPARATUS USED FOR THE EXC+/EXC- CIRCUIT MUST HAVE A LINEAR OUTPUT AND BE CERTIFIED WITH THE BARRIER PARAMETERS THAT MEET THE FOLLOWING CONDITIONS:

$$U_o \leq U_i$$

$$I_o \leq I_i$$

$$C_o \leq C_i + C_{cable}$$

$$L_o \leq L_i + L_{cable}$$

3. SHUNT SWITCH WIRING IS INTRINSICALLY SAFE AND IS FOR CONNECTION TO A VOLTAGE FREE CONTACT, OR CERTIFIED RELAY CONTACT BARRIER WITH A VOLTAGE FREE CONTACT.

THIS IS A CONTROLLED DRAWING AND MAY NOT BE CHANGED WITHOUT ENGINEERING AUTHORIZATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		REVISIONS				GP:50 Aerospace Div.		2770 LONG ROAD	
		LET	DATE	BY	ECN	CAGE CODE: ON8Y7		GRAND ISLAND, NY 14072	
FRACTIONS ± 1/64		A	5/16/08	AN	518	TEL. NO. (716)773-9300		FAX NO. (716)773-5019	
DECIMALS: .XX ± .01		A1	6/3/11	MM		SCALE	MATERIAL	DRAWN BY: DATE	
TOLERANCES: .XXX ± .005						DRAWN: NA	NA	DW 03/12/07	
ANGLES ± 1/2						DESIGNER	REVIEW DATE	REVIEW DATE	APPROVED DATE
63/ MACHINING FINISH (ALL SURFACES)						DW			GS 11/18/11
REMOVE BURRS & BREAK SHARP EDGES						TITLE: ATEX/IEC INTRINSIC SAFETY MODELS 370 AI/GI		DRAWING NO.	
.015 MAX.						8C1-55.00-2		REV.	
MACHINE FILLETS TO .015 R MAX.								A1	
ALL DIAMETERS TO BE CONCENTRIC WITHIN .010 T.I.R.									
CHAMFER ALL MALE THREADS 45°±5° TO MINOR DIAMETER									
C/SINK ALL FEMALE THREADS 90°±10° TO MAJOR DIAMETER									