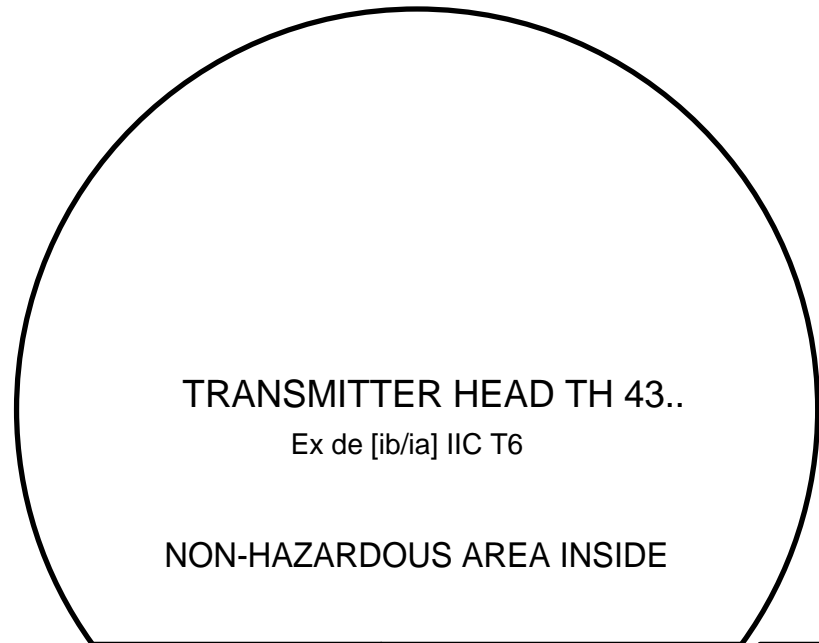


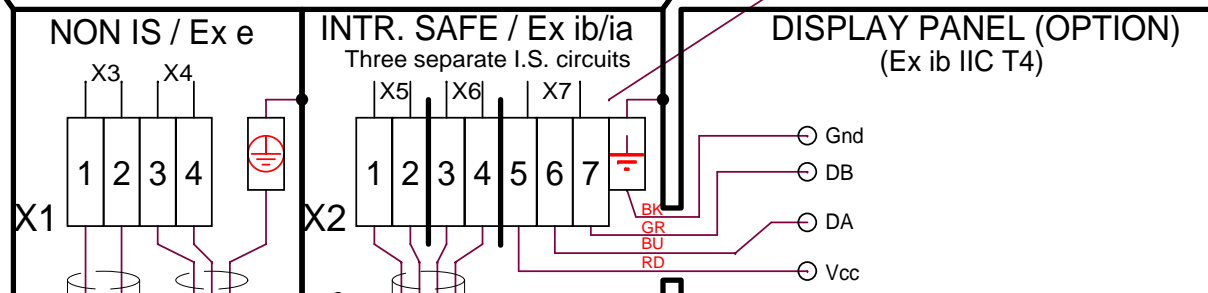
NON-HAZARDOUS AREA

HAZARDOUS AREA

ISSUE	MODIF. ORDER NO.	WEEK	ISSUE	MODIF. ORDER NO.	WEEK	ISSUE	MODIF. ORDER NO.	WEEK
1	SME-3022	0216	2	SME-5615	0707			



DISPLAY OUTPUT	
GAS GROUP	
IIB & IIC	Uo = 7,84 V, Io = 385,6 mA Po = 0,678 W Co < 8,8 µF, Lo < 0,17 mH

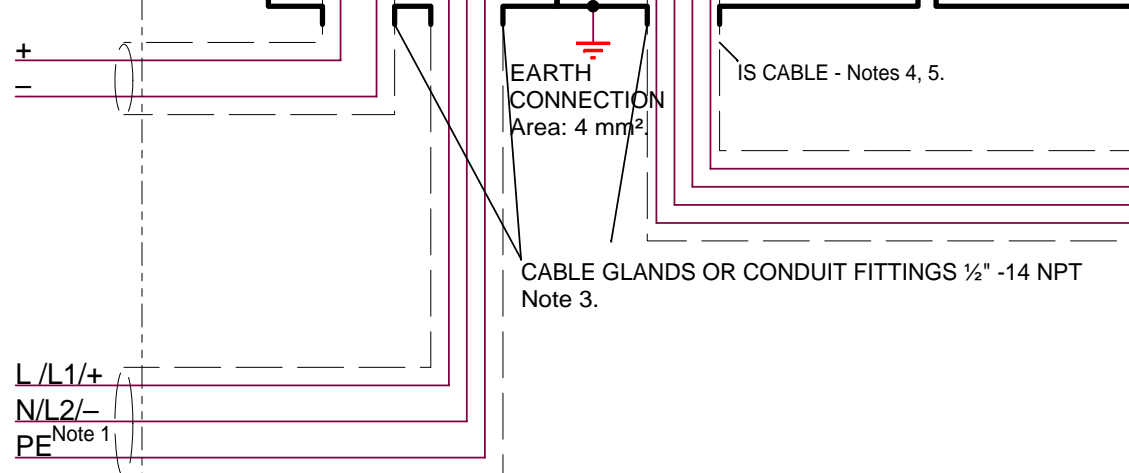


SECONDARY OUTPUT (OPTION)		
GAS GROUP	ALT. D: PASSIVE CURRENT LOOP Voltage Compliance: 7-30 V	ALT. B: ACTIVE CURRENT LOOP Max. Load: 300 Ohm
IIB & IIC	Ui < 30 V, Ii < 200 mA Pi < 1,3 W Ci = 0 µF, Li = 0 mH	Uo = 23,1 V, Io = 125,7 mA Po = 0,726 W Co < 0,14 µF, Lo < 2,2 mH

NON IS PRIMARY OUTPUT  
Note 2.

POWER SUPPLY

Nominal Input:  
24-240 V DC/AC (0-60Hz)  
max. 10 W.  
Internal fuse link T 2.5A L 250V  
Installation Category III.  
A circuit breaker should be installed close to the TR Pro transmitter.  
Min. cable area: 0.5 mm<sup>2</sup>



I.S. PRIMARY OUTPUT (OPTION)			
GAS GROUP	ALT. 1D: PASSIVE CURRENT LOOP Voltage Compliance: 7-30 V	ALT. 1B: ACTIVE CURRENT LOOP Max. Load: 300 Ohm	ALT. 4B: FOUNDATION FIELDBUS
IIB & IIC	Ui < 30 V, Ii < 200 mA Pi < 1,3 W Ci = 0 µF, Li = 0 mH	Uo = 23,1 V, Io = 125,7 mA Po = 0,726 W Co < 0,14 µF, Lo < 2,2 mH	Ui < 30 V, Ii < 300 mA Pi < 1,3 W Ci = 0 µF, Li = 0 mH

- NOTE 6. Substitution of components may impair intrinsic safety.
- NOTE 5. Cable inductance and capacitance must be included in the total allowance for each IS circuit.
- NOTE 4. Use certified multiple conductor cable with individually shielded, twisted pairs, rated at least 300 V and 90°C.
- NOTE 3. Use "Ex e" type of glands with integral cable shield connection. Shielded cables are required for specified EMC performance.
- NOTE 2. Non-IS primary output alternative options.  
1A: Active Current Loop. Max. load: 300 Ohm.  
1C: Passive Current Loop. Voltage compliance: 7-30 V.  
2A: TRL2 Bus (TM40).  
3A: Profibus DP (AA40).  
4A: Foundation Fieldbus (FF43).

The Entity concept allows interconnection of intrinsically safe apparatus, not specifically examined in combination as a system, when the Approved values of Uo, Io and Po for the associated apparatus are less than or equal to Ui, Ii and Pi for the intrinsically safe apparatus, and the Approved values of Co and Lo for the associated apparatus are greater than Ci + cable capacitance and Li + cable inductance.

NOTE 1. Installations in Canada shall be in accordance with the applicable requirements of the Canadian Electrical Code (CEC), Part I.

<b>9150074-939</b>	ISSUED BY <b>GU-MK</b>	WEEK <b>0216</b>	PRODUCT CODE <b>TR PRO</b>	TITLE <b>INSTALLATION DRAWING EL.</b>
	APPROVED BY <b>GP-HN</b>	WEEK <b>0216</b>	DOC. TYPE <b>2</b>	FILE <b>OrCAD</b>
	ALL DIMENSIONS ARE IN MILLIMETRES. TOLERANCES, UNLESS OTHERWISE STATED:			FINISH, UNLESS OTHERWISE STATED:
	1 ST ANGLE			SCALE
<b>ROSEMOUNT</b>				<b>9150074-939</b>
				DWG NO. <b>9150074-939</b>
				ISSUE <b>2</b> SHEET <b>1 / 1</b>
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				Rosemount Tank Radar AB, Sweden