



- 7 FOR CABLE ROUTING AND TERMINATOR, SEE D9240041-974.
- 6 FOR MORE INFORMATION SEE SYSTEM CONTROL DRAWING:
 5900 9240040-917
 2410 9240040-901
 2230 9240040-949
- 5 ELECTRICAL REQUIREMENTS FOR TANKBUS CABLES:
 -LOOP RESISTANCE R_c: 15...150 ohm/km
 -LOOP INDUCTANCE L_c: 0.4-1mH/km
 -CAPACITANCE PER UNIT LENGTH C_c: 45-200 nF/km
- 4 RECOMMENDED PARAMETERS FOR EXTERNAL TERMINATOR: R=100±2 ohm, C=1.0±0.2uF
 IF 4-WIRE CABLE IS USED FOR CONNECTION OF IS TANKBUS AND SIL ALARM IN ONE ENTRY, THEN JB FOR CONNECTION OF THE TERMINATOR MAY NOT BE REQUIRED.
- 3 SHIELD WIRE GROUND: USE SINGLE GROUND POINT. TYPICALLY AT THE POWER SUPPLY.
- 2 USE MIN 4 mm² OR AWG 11 FOR EXTERNAL GROUND CONNECTION.
- 1 POWER SUPPLY: USE 0.75-2.5 mm² OR AWG 18-13.

(SIL 3 SAFETY CAN BE ACHIEVED USING TWO SEPARATE 5900 GAUGES, EACH CONNECTED TO A 2410 TANK HUB EQUIPPED WITH A SIL 2 RELAY OUTPUT)

THIS DIAGRAM SHOWS ELECTRICAL CONNECTION OF I/O THAT MAY BE OPTIONAL AND/OR NOT POSSIBLE TO COMBINE.

ISSUED BY EMe-BL	WEEK 1107	PRODUCT CODE 5900	FILE ACAD	INSTALLATION DRAWING TITLE ELECTRICAL INSTALLATION DRAWING DUAL SIL2 (4-wire) SINGLE GAUGES	
APPROVED BY EE-MK	WEEK 1108	ORIGINAL DWG NO. -	SCALE -	DOC TYPE 02	DWG NO. D9240041-967
ROSEMOUNT Tank Gauging			1 ST ANGLE 	ISSUE 04	SHEET 01/01
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